



BRUHAT BANGALORE MAHANAGARA PALIKE



NAME OF THE WORK: White Topping of Road from Seshadripuram first grade College to Aroma Bakery Junction via 3rd Cross road, 1st Main Road and 16th B Cross Road.

CLIENT: BRUHAT BANGALORE MAHANAGARA PALIKE

CONSULTANTS: Infra Support Engineering Consultants Pvt Ltd.

AGENCY: M/s NCC LIMITED

MEASUREMENTS

NAME OF THE WORK :- Whitetopping of road from Shesadripuram First Grade College to Aroma Bakery Junction via 3rd A cross Road, 1st A Main Road, 16th B Cross Road

BILL NO. 4th and Part Final

NAME OF THE AGENCY :- M/s NCC LIMITED

BOQ No.	Description Of Item	Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
1	Milling the bituminous pavement surface upto a depth of 55mm using milling machine, to make a uniform surface without disturbing the base, cleaning the milled surface, including cost of all labour charges and hire charges of machineries etc complete., including stacking the milled material on the sides of road.									
	Quantity Vide RA Bill No. 1								1644.75	
	Quantity Vide RA Bill No. 2								1065.00	
	Qty vide Pre MB page No 38								550.00	
		Sqm							3259.75	
	PAID QUANTITY								2709.75	
	PAYABLE								550.00	
2	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet/surface dressing by power roller attached with scarifer without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3									
	Quantity Vide RA Bill No. 1								1218.33	
	Quantity Vide RA Bill No. 2								852.00	
	Qty vide Pre MB page No 40								840.00	
		Sqm							2910.33	
	PAID QUANTITY								2070.33	
	PAYABLE								840.00	
5	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision.									
	Quantity Vide RA Bill No. 1								159.01	
	Qty vide Pre MB page No 50								14.85	
		Cum							173.86	
	PAID QUANTITY								159.01	
	PAYABLE								14.85	
6	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406									
	Quantity Vide RA Bill No. 1								576.44	
	Quantity Vide RA Bill No. 2								503.19	
	Quantity Vide RA Bill No. 3								11.25	
	Qty vide Pre MB page No 104								1155.29	
		Cum							2246.17	
	PAID QUANTITY								1090.89	
	PAYABLE								1155.28	



Assistant Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

BOQ No.	Description Of Item	Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
7	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base I binding course including loading of aggregates with F. E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by smooth wheeled, vibratory & tandem rollers to achieve the desired density, but excluding cost of primer I tack coat & including lead, lift and cost of all materials, labour, HOM									
	Quantity Vide RA Bill No. 1								188.01	
	Quantity Vide RA Bill No. 2								88.88	
		Cum							276.89	
	PAID QUANTITY								276.88	
	PAYABLE								0.0	
8	Dry Lean Concrete (DLC) for Profile correction of existing bituminous road surface before carrying out White Topping Dry Lean Concrete (DLC) M-5 for Profile correction of existing bituminous road surface before carrying out White Topping Construction of dry lean cement concrete sub base layer over existing scarified (to the depth of 25 mm with miller machine includes mobilization, diesel and operating cost, includes cleaning by air blower/sand blasting/brooming etc.) bituminous road surface with coarse and fine aggregate conforming to IS 383, the size of coarse aggregate not exceeding 25mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per Table 600-1, cement content not less than 160 kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in ready mix concrete plant or a batching plant (to ensure consistency) transported to site, laid to the depth of 40 mm - 50 mm with a fixed form paver with electric sensor, having gang mounted vibrators equally spaced with variable rpm and atleast three integral steel tubes with 8-10 tonnes vibratory rollers for screeding, levelling, compaction, finishing and curing, includes lifting/shifting charges of paver, as per specifications complete, (cement 160kgs. coarse aggregate= 0.86 cum, Fine aggregate=0.58cum) MORTH specifications No.601.									
	Quantity Vide RA Bill No. 1								125.96	
	Quantity Vide RA Bill No. 3								138.72	
		Cum							264.68	
	PAID QUANTITY								207.56	
	PAYABLE								57.12	
9	Providing and laying White Topping as per IRC:SP76-2008 over bituminous surface (Existing bituminous surface preparation to be done if necessary either by milling or levelling course with BM/DBM to correct surface profile and to be paid separately) with unreinforced M-40 grade pavement quality concrete (PQC) using polymeric synthetic fibre as per ASTM (1116) such as polyester I polyethylene I polypropylene at 1.20 kg/cum, mixed in batching and mixing plant or weigh batcher as per approved mix design to achieve minimum flexural strength or modulus of rupture of concrete 4.50 MPa at 28 days limiting maximum water cement ratio to 0.40, transported to site, laid with mechanical paver finisher, spread, vibrated, compacted and finished in a continuous operation to the lines and grades as per drawing, texture finishing of surface, spraying two layers of curing compound, curing with water sprayed on hessian cloth covered over concrete surface, groove cutting to a depth of 1/3 of the slab depth and of width 3-5 mm including the cost of filling the joint with joint sealant as per IRC-15. as per design (groove cutting to be paid separately). For Thin white Topping and ultra thin white topping the groove cutting shall be 1.25mm x 1.25m grid including cost of all material, side form work, labour and HOM of machineries etc. complete as per specifications.) -Do- with unreinforced M40 grade pavement quality concrete using Cum 5,813.00 43 grade OPC @ 420 kg/cum, coarse aggregate, fine aggregate and Admixture conforming to IS 9130-1999 (R-2004)									
	Quantity Vide RA Bill No. 1								941.15	
	Quantity Vide RA Bill No. 2								452.63	
	Quantity Vide RA Bill No. 3								1300.93	
For MCW PQC										
Stretch : From Vishnu Park to Sandeep Unnikrishnan Road										
	0.00	10.0	CUM	1	10.00		7.50	0.170	12.75	
	10.0	20.0	CUM	1	10.00		7.50	0.170	12.75	
	20.0	30.0	CUM	1	10.00		7.50	0.170	12.75	
	30.0	40.0	CUM	1	10.00		7.50	0.170	12.75	
	40.0	50.0	CUM	1	10.00		7.50	0.170	12.75	
	50.0	60.0	CUM	1	10.00		7.50	0.170	12.75	
	60.0	70.0	CUM	1	10.00		7.50	0.170	12.75	
	70.0	80.0	CUM	1	10.00		7.50	0.170	12.75	
	80.0	90.0	CUM	1	10.00		7.50	0.170	12.75	
	90.0	100.0	CUM	1	10.00		7.50	0.170	12.75	
	100.0	110.0	CUM	1	10.00		7.50	0.170	12.75	



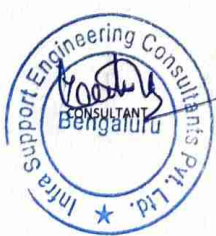
12/3/24
A.E. (Project)



28/11/23
Asst. Executive Engineer
Project Division
Bhankar
B.P. Bangalore
ASSISTANT ENGINEER

140.25

BOQ No.	Description Of Item	UNIT	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
110.0	120.0	CUM	1	10.00			7.50	0.170	12.75	
120.0	130.0	CUM	1	10.00			7.50	0.170	12.75	
130.0	140.0	CUM	1	10.00			7.50	0.170	12.75	
140.0	150.0	CUM	1	10.00			7.50	0.170	12.75	
150.0	160.0	CUM	1	10.00			7.50	0.170	12.75	
160.0	170.0	CUM	1	10.00			7.50	0.170	12.75	
170.0	180.0	CUM	1	10.00			7.50	0.170	12.75	
180.0	190.0	CUM	1	10.00			7.50	0.170	12.75	
190.0	200.0	CUM	1	10.00			7.50	0.170	12.75	
200.0	210.0	CUM	1	10.00			7.50	0.170	12.75	
210.0	220.0	CUM	1	10.00			7.50	0.170	12.75	
220.0	230.0	CUM	1	10.00			7.50	0.170	12.75	
230.0	240.0	CUM	1	10.00			7.50	0.170	12.75	
240.0	250.0	CUM	1	10.00			7.50	0.170	12.75	
250.0	260.0	CUM	1	10.00			7.50	0.170	12.75	
260.0	270.0	CUM	1	10.00			7.50	0.170	12.75	
270.0	280.0	CUM	1	10.00			7.50	0.170	12.75	
For Buffer Zone										
Stretch : From Vishnu Park to Sandeep Unnikrishnan Road - RHS										
0.0	5.0	CUM	1	5.00			1.65	0.170	1.40	
Stretch : From Vishnu Park to Sandeep Unnikrishnan Road - LHS										
0.0	6.2	CUM	1	6.20			1.50	0.170	1.58	
125.0	131.5	CUM	1	6.50			1.50	0.170	1.66	
149.0	156.5	CUM	1	7.50			1.50	0.170	1.91	
Stretch : Vishnu Pak to Sandeep Unnikrishnan Road- Ramp										
Cross Road - 1		CUM	1	8.00			4.00	0.170	5.44	
Cross Road - 2		CUM	1	8.00			4.00	0.170	5.44	
RHS - DPS Gate -3		CUM	1	3.50			2.06	0.170	1.23	
RHS - DPS Gate -2		CUM	1	8.00			2.87	0.170	3.90	
RHS - DPS Gate -1		CUM	1	2.35			6.60	0.170	2.64	
RHS - PS Gate -1		CUM	1	2.80			7.00	0.170	3.33	
RHS - PS Gate -2		CUM	1	5.00			2.55	0.170	2.17	
Stretch : From 280m chainage to Sandeep Unnikrishnan Road - End Ramp										
Layer -1		CUM	1	10.50			5.90	0.200	12.39	
Layer -2		CUM	1	10.50			5.90	0.200	12.39	
Layer -3		CUM	1	10.50			5.90	0.200	12.39	
TOTAL QUANTITY									3119.58	
PAID QUANTITY									2694.33	
PAYABLE									425.25	424.87
10										
Providing groove cutting for width of 4mm - 6mm and 3rd depth of PQC Whitetopping within 8-10 hrs of placing/finishing of PQC including cost of cutting machine, generator, HDM of machinery, blades, coolant etc., including cleaning of groove and providing sand and hot bituminous or equivalent approved sealant filling etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications.										
Quantity Vide RA Bill No. 1									9370.09	
Quantity Vide RA Bill No. 2									4792.50	
Quantity Vide RA Bill No. 3									12781.31	
Stretch : From Vishnu Park to Sandeep Unnikrishnan Road										
0.00	280.0	M	7	280.00					1960.00	
Horizontal		M	280	7.50					2100.00	
TOTAL QUANTITY									4060.00	
PAID QUANTITY									31003.90	
PAYABLE									23700.00	
									7303.90	
11										
Providing and inserting of 12mm dia TMT bar at 500mm c/c & applying Lokfix of Fosroc chemical of approved brand for the rods of 12mm dia & 500mm length for the construction of longitudinal joint in Pavement Quality Concrete (PQC) at every 500mm centre to centre along the length of the road, the 50% of the tie rods should be embedded on both sides of joint. The tie rod should be inserted in the PQC concrete with applying lokfix including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per the drawing, specifications and direction of Engineer In-										
Quantity Vide RA Bill No. 1									1460.00	



Assistant Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

BOQ No.	Description Of Item	UNIT	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
	Quantity Vide RA Bill No. 2								473.00	
	Quantity Vide RA Bill No. 3								1185.00	
	Qty vide Pre MB page No	Sqm							560.00	
	PAID QUANTITY								3658.00	
	PAYABLE								3098.00	
									560.00	
12	Providing and fixing DOWEL bars of dia 25mm, 500mm length for construction joint in pavement Quality Concrete (PQC) at every construction joints along the width of the road, the 50% of the dowel bar should be embedded on both sides of joints, the exposed bar should be covered with PVC sleeves. The bar should be painted with epoxy paint and primer including cost of conveyance of all materials, labour lead and lift charges and all other incidental charges as per the drawing, specifications and direction of Engineer in charge etc., complete.									
	Quantity Vide RA Bill No. 1								288.00	
	Quantity Vide RA Bill No. 2								84.00	
	Quantity Vide RA Bill No. 3								360.00	
	Qty vide Pre MB page No	Sqm							65.00	
	PAID QUANTITY								797.00	
	PAYABLE								660.00	
									137.00	
14	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5									
	Quantity Vide RA Bill No. 1								3830.66	
	Quantity Vide RA Bill No. 2								3067.33	
	Qty vide Pre MB page No	Cum							402.61	
	PAID QUANTITY								7300.60	
	PAYABLE								6897.99	
									402.61	
15	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision - do - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-11 (50 mm to 75 mm) with 4.5 % VG-30 Bitumen									
	Quantity Vide RA Bill No. 2								97.55	
	Qty vide Pre MB page No	Cum							25.24	
	PAID QUANTITY								122.79	
	PAYABLE								97.55	
									25.24	
17	KSRRB 14.6-1: Providing and laying heavy duty cobble stones 100mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of M40 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS									
	Quantity Vide RA Bill No. 1								1218.88	
	Quantity Vide RA Bill No. 2								750.49	
	Quantity Vide RA Bill No. 3								2274.96	
	For Footpath									
	Stretch : From CHIKKOBOMMSANDRA JUNCTION TO DAIRY CIRCLE JUNCTION - LHS									
	1171.0	1177.8	Sqm	1	6.80	2.30	2.30		15.64	
		Near Bus Stop	Sqm	1	3.00	2.50	2.50		7.50	
	Stretch : From CHIKKOBOMMSANDRA JUNCTION TO DAIRY CIRCLE JUNCTION - RHS									
	1575.0	1565.0	Sqm	1	10.00	2.60	2.60		26.00	



Assistant Engineer

C&P
Kumar
27/10/23
Asst. Executive Engineer
Project Division
Velahanka Zone
BBMP, Bangalore - 92

4a

BOQ No.	Description Of Item	Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
Buffer Zone										
Stretch : From Vishnu Park to Sandeep Unnikrishnan Road -LHS										
0.0	6.2	Sqm	1	6.20	0.00	0.00	0.00		0.00	
6.2	10.0	Sqm	1	3.80	1.50	1.50	1.50		5.70	
10.0	20.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
20.0	30.0	Sqm	1	10.00	1.50	1.59	1.55		15.45	
30.0	40.0	Sqm	1	10.00	1.59	1.50	1.55		15.45	
40.0	50.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
50.0	60.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
60.0	70.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
70.0	80.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
80.0	90.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
90.0	100.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
100.0	104.0	Sqm	1	4.00	1.50	1.50	1.50		6.00	
104.0	109.0	Sqm	1	5.00	1.50	1.50	1.50		7.50	
109.0	110.0	Sqm	1	1.00	1.50	1.50	1.50		1.50	
110.0	120.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
120.0	125.0	Sqm	1	5.00	1.50	1.50	1.50		7.50	
125.0	131.5	Sqm	1	6.50		0.00	0.00		0.00	
131.5	140.0	Sqm	1	8.50	1.50	1.50	1.50		12.75	
140.0	149.0	Sqm	1	9.00	1.50	1.50	1.50		13.50	
149.0	156.5	Sqm	1	7.50	0.00	0.00	0.00		0.00	
156.5	160.0	Sqm	1	3.50	1.59	1.59	1.59		5.57	
160.0	170.0	Sqm	1	10.00	1.59	1.50	1.55		15.45	
170.0	180.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
180.0	190.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
190.0	200.0	Sqm	1	10.00	1.50	1.57	1.54		15.35	
200.0	210.0	Sqm	1	10.00	1.57	1.55	1.56		15.60	
210.0	220.0	Sqm	1	10.00	1.55	1.55	1.55		15.50	
220.0	235.0	Sqm	1	15.00	1.55	1.50	1.53		22.88	
235.0	250.0	Sqm	1	15.00	1.50	1.50	1.50		22.50	
250.0	260.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
260.0	270.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
270.0	279.5	Sqm	1	9.50	1.50	1.50	1.50		14.25	
Buffer Zone										
Stretch : From Vishnu Park to Sandeep Unnikrishnan Road -RHS										
0.0	5.0	Sqm	1	5.00	0.00		0.00		0.00	
5.0	10.0	Sqm	1	5.00	1.50	1.50	1.50		7.50	
10.0	20.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
20.0	30.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
30.0	40.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
40.0	53.0	Sqm	1	13.00	1.50	1.50	1.50		19.50	
53.0	60.0	Sqm	1	7.00	1.50	1.50	1.50		10.50	
60.0	70.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
70.0	80.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
80.0	85.0	Sqm	1	5.00	1.50	1.50	1.50		7.50	
85.0	93.0	Sqm	1	8.00	1.50	1.50	1.50		12.00	
93.0	100.0	Sqm	1	7.00	1.50	1.50	1.50		10.50	
100.0	110.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
110.0	120.0	Sqm	1	10.00	1.50	1.50	1.50		15.00	
120.0	122.5	Sqm	1	2.50	1.50	1.50	1.50		3.75	
122.5	129.0	Sqm	1	6.50	1.50	1.50	1.50		9.75	
129.0	130.0	Sqm	1	1.00	1.50	1.50	1.50		1.50	
130.0	135.0	Sqm	1	5.00	1.50	1.50	1.50		7.50	
135.0	142.0	Sqm	1	7.00	1.50	1.50	1.50		10.50	
142.0	150.0	Sqm	1	8.00	1.50	1.50	1.50		12.00	
150.0	161.0	Sqm	1	11.00	1.50	1.50	1.50		16.50	
161.0	166.0	Sqm	1	5.00	1.50	1.50	1.50		7.50	
166.0	170.0	Sqm	1	4.00	1.50	1.60	1.55		6.20	
170.0	180.0	Sqm	1	10.00	1.60	1.60	1.60		16.00	
180.0	190.0	Sqm	1	10.00	1.60	1.60	1.60		16.00	
190.0	200.0	Sqm	1	10.00	1.60	1.63	1.62		16.15	
200.0	210.0	Sqm	1	10.00	1.63	1.55	1.59		15.90	
210.0	214.0	Sqm	1	4.00	1.55	1.55	1.55		6.20	
214.0	219.0	Sqm	1	5.00	1.55	1.55	1.55		7.75	

Cape
Kundur
A.E.E. (Project)

141.58

A.E. (Project)

Cape
Kundur
A.E.E. (Project)

141.28



Asst. Executive Engineer
Project Division
Mehankana Zone
CDMP, Bangalore - 92

Asst. Executive Engineer
Project Division
Mehankana Zone
CDMP, Bangalore - 92

BOQ No.	Description Of Item	Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
219.0										
230.0	230.0	Sqm	1	11.00	1.55	1.55	1.55		17.05	
250.0	250.0	Sqm	1	20.00	1.55	1.65	1.60		32.00	
260.0	260.0	Sqm	1	10.00	1.65	1.55	1.60		16.00	
270.0	270.0	Sqm	1	10.00	1.55	2.30	1.93		19.25	
273.0	273.0	Sqm	1	3.00	1.50	1.50	1.50		4.50	
	279.5	Sqm	1	6.50	1.50	1.50	1.50		9.75	
TOTAL QUANTITY									5110.16	
PAID QUANTITY									424.32	
PAYABLE									865.84	
18	KSRRB M2200-5.6. Providing and laying Design mix M30 with OPC @ 360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplasticiser @31ts conforming to 189103-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. - i) upto 5 m height									
	Quantity Vide RA Bill No. 2								63.49	
	Quantity Vide RA Bill No. 3								27.80	
	Qty vide Pre MB page No								81.33	
		Sqm							172.62	
	PAID QUANTITY								91.29	
	PAYABLE								81.33	
19	KSRRB M800-43. Installation of a steel portable barricade with horizontal rail 300 mm wide, 2.5 m in length fitted on a 'A' frame made with 45 x 45 x 5 mm angle iron section, 1.5 m in height, horizontal rail painted (2 coats) with yellow and white stripes, 150 mm in width at an angle of 45°, 'A' frame painted with 2 coats of yellow paint, complete as per IRC:SP:55-2001 complete as per specifications.									
	Quantity Vide RA Bill No. 1								80.00	
	Quantity Vide RA Bill No. 2								14.00	
	Quantity Vide RA Bill No. 3								37.00	
	Qty vide Pre MB page No								118.00	
		Sqm							249.00	
	PAID QUANTITY								131.00	
	PAYABLE								118.00	
20	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms and 2 Ltr of Primer per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803									
	Quantity Vide RA Bill No. 1								0.00	
	Quantity Vide RA Bill No. 2								0.00	
	Quantity Vide RA Bill No. 3								0.00	
	Stretch : From Chandra Café to Aroma Bakery									
	Continous Line									
	0.00	30.0	Sqm	2	30.00		0.15		9.00	
	30.0	60.0	Sqm	2	30.00		0.15		9.00	
	60.0	90.0	Sqm	2	30.00		0.15		9.00	
	90.0	120.0	Sqm	2	30.00		0.15		9.00	
	120.0	150.0	Sqm	2	30.00		0.15		9.00	
	150.0	180.0	Sqm	2	30.00		0.15		9.00	
	180.0	210.0	Sqm	2	30.00		0.15		9.00	
	210.0	240.0	Sqm	2	30.00		0.15		9.00	
	240.0	270.0	Sqm	2	30.00		0.15		9.00	
	270.0	300.0	Sqm	2	30.00		0.15		9.00	
	300.0	330.0	Sqm	2	30.00		0.15		9.00	
	330.0	360.0	Sqm	2	30.00		0.15		9.00	
	360.0	390.0	Sqm	2	30.00		0.15		9.00	
	390.0	420.0	Sqm	2	30.00		0.15		9.00	



E.E. (Project)



ASSISTANT ENGINEER

Asst. Executive Engineer
Project Division
Yelahanka Zone
BMP, Bangalore - 92

ASSISTANT EXECUTIVE ENGINEER

CF 126.00 (6)

BOQ No.	Description Of Item	UNIT	NO.	LENGTH	BT	BT	AVG BREADTH	DEPTH	QUANTITY	RATE
420.0	450.0	Sqm	2	30.00			0.15		9.00	
450.0	480.0	Sqm	2	30.00			0.15		9.00	
480.0	510.0	Sqm	2	30.00			0.15		9.00	
510.0	540.0	Sqm	2	30.00			0.15		9.00	
540.0	570.0	Sqm	2	30.00			0.15		9.00	
570.0	600.0	Sqm	2	30.00			0.15		9.00	
600.0	630.0	Sqm	2	30.00			0.15		9.00	
630.0	660.0	Sqm	2	30.00			0.15		9.00	
660.0	690.0	Sqm	2	30.00			0.15		9.00	
690.0	720.0	Sqm	2	30.00			0.15		9.00	
720.0	750.0	Sqm	2	30.00			0.15		9.00	
750.0	780.0	Sqm	2	30.00			0.15		9.00	
780.0	810.0	Sqm	2	30.00			0.15		9.00	
810.0	840.0	Sqm	2	30.00			0.15		9.00	
840.0	870.0	Sqm	2	30.00			0.15		9.00	
870.0	900.0	Sqm	2	30.00			0.15		9.00	
900.0	930.0	Sqm	2	30.00			0.15		9.00	
930.0	960.0	Sqm	2	30.00			0.15		9.00	
960.0	990.0	Sqm	2	30.00			0.15		9.00	
990.0	1020.0	Sqm	2	30.00			0.15		9.00	
1020.0	1050.0	Sqm	2	30.00			0.15		9.00	
1050.0	1080.0	Sqm	2	30.00			0.15		9.00	
1080.0	1110.0	Sqm	2	30.00			0.15		9.00	
1110.0	1140.0	Sqm	2	30.00			0.15		9.00	
1140.0	1170.0	Sqm	2	30.00			0.15		9.00	
1170.0	1200.0	Sqm	2	30.00			0.15		9.00	
1200.0	1230.0	Sqm	2	30.00			0.15		9.00	
1230.0	1260.0	Sqm	2	30.00			0.15		9.00	
1260.0	1290.0	Sqm	2	30.00			0.15		9.00	
1290.0	1320.0	Sqm	2	30.00			0.15		9.00	
1320.0	1350.0	Sqm	2	30.00			0.15		9.00	
1350.0	1380.0	Sqm	2	30.00			0.15		9.00	
1380.0	1410.0	Sqm	2	30.00			0.15		9.00	
1410.0	1440.0	Sqm	2	30.00			0.15		9.00	
1440.0	1470.0	Sqm	2	30.00			0.15		9.00	
1470.0	1500.0	Sqm	2	30.00			0.15		9.00	
1500.0	1530.0	Sqm	2	30.00			0.15		9.00	
1530.0	1560.0	Sqm	2	30.00			0.15		9.00	
1560.0	1590.0	Sqm	2	30.00			0.15		9.00	
1590.0	1620.0	Sqm	2	30.00			0.15		9.00	
1620.0	1650.0	Sqm	2	30.00			0.15		9.00	
1650.0	1680.0	Sqm	2	30.00			0.15		9.00	
1680.0	1710.0	Sqm	2	30.00			0.15		9.00	
1710.0	1740.0	Sqm	2	30.00			0.15		9.00	
1740.0	1770.0	Sqm	2	30.00			0.15		9.00	
1770.0	1800.0	Sqm	2	30.00			0.15		9.00	
1800.0	1830.0	Sqm	2	30.00			0.15		9.00	
1830.0	1860.0	Sqm	2	30.00			0.15		9.00	
1860.0	1890.0	Sqm	2	30.00			0.15		9.00	
1890.0	1920.0	Sqm	2	30.00			0.15		9.00	
1920.0	1950.0	Sqm	2	30.00			0.15		9.00	
1950.0	1980.0	Sqm	2	30.00			0.15		9.00	
Strip Line - Center of MCW										
0.00	1980.0	Sqm	792	1.50			0.10		118.80	
Stretch : From Chandra Café to Aroma Bakery										
Zebra Crossing										
	Near CH : 0.00	Sqm	7	2.50			0.50		8.75	
	Near CH : 450	Sqm	14	2.50			0.50		17.50	
	Near CH : 1109	Sqm	21	2.50			0.50		26.25	
	Near CH : 170	Sqm	14	2.50			0.50		17.50	
	Near CH : 1490	Sqm	7	2.50			0.50		8.75	
	Near CH : 1590	Sqm	7	2.50			0.50		8.75	
	Near CH : 1990	Sqm	7	2.50			0.50		8.75	
Stretch : From Chandra Café to Aroma Bakery										
Rumble Strips/Traverse Bars										

CAFÉ
Aroma

A.E.E. (Project)

594.00

CAFÉ
Aroma

27/10/22

A.E.E. (Project)

809.05



[Signature]
ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BOQ No.	Description Of Item	Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
	Near CH : 100	Sqm	36	7.50			0.30		81.00	
	Near CH : 600	Sqm	36	7.50			0.30		81.00	
	Near CH : 750	Sqm	36	7.50			0.30		81.00	
	Near CH : 1050	Sqm	36	7.50			0.30		81.00	
	Near CH : 1317	Sqm	36	7.50			0.30		81.00	
	Near CH : 1450	Sqm	36	7.50			0.30		81.00	
	Near CH : 1500	Sqm	36	7.50			0.30		81.00	
	Near CH : 1900	Sqm	36	7.50			0.30		81.00	
Stretch : From Chandra Café to Aroma Bakery										
Zero Tolerance Junction										
	Near CH : 450	Sqm	6	228.80			0.15		205.92	
	Near CH : 1100	Sqm	6	194.90			0.15		175.41	
Stretch : From Vishnu Park to Sandeep Unnikrishnan Road										
For Both Side										
	0.00	Sqm	2	10.00			0.15		3.00	
	10.0	Sqm	2	10.00			0.15		3.00	
	20.0	Sqm	2	10.00			0.15		3.00	
	30.0	Sqm	2	10.00			0.15		3.00	
	40.0	Sqm	2	10.00			0.15		3.00	
	50.0	Sqm	2	10.00			0.15		3.00	
	60.0	Sqm	2	10.00			0.15		3.00	
	70.0	Sqm	2	10.00			0.15		3.00	
	80.0	Sqm	2	10.00			0.15		3.00	
	90.0	Sqm	2	10.00			0.15		3.00	
	100.0	Sqm	2	10.00			0.15		3.00	
	110.0	Sqm	2	10.00			0.15		3.00	
	120.0	Sqm	2	10.00			0.15		3.00	
	130.0	Sqm	2	10.00			0.15		3.00	
	140.0	Sqm	2	10.00			0.15		3.00	
	150.0	Sqm	2	10.00			0.15		3.00	
	160.0	Sqm	2	10.00			0.15		3.00	
	170.0	Sqm	2	10.00			0.15		3.00	
	180.0	Sqm	2	10.00			0.15		3.00	
	190.0	Sqm	2	10.00			0.15		3.00	
	200.0	Sqm	2	10.00			0.15		3.00	
	210.0	Sqm	2	10.00			0.15		3.00	
	220.0	Sqm	2	10.00			0.15		3.00	
	230.0	Sqm	2	10.00			0.15		3.00	
	240.0	Sqm	2	10.00			0.15		3.00	
	250.0	Sqm	2	10.00			0.15		3.00	
	260.0	Sqm	2	10.00			0.15		3.00	
	270.0	Sqm	2	10.00			0.15		3.00	
Strip Line - Center of MCW										
	0.00	Sqm	112	1.50			0.10		16.80	
Stretch : From Vishnu Park to Sandeep Unnikrishnan Road										
Rumble Strips/Traverse Bars										
	Near CH : 0	Sqm	36	7.50			0.30		81.00	
	DPS - CH:40	Sqm	36	7.50			0.30		81.00	
	PS - CH:135	Sqm	36	7.50			0.30		81.00	
	PS - CH:161	Sqm	36	7.50			0.30		81.00	
	Near CH : 270	Sqm	36	7.50			0.30		81.00	
Stretch : From Vishnu Park to Sandeep Unnikrishnan Road										
Zebra Crossing										
	Near CH : 0.00	Sqm	7	2.50			0.50		8.75	
	Near CH : 450	Sqm	7	2.50			0.50		8.75	
TOTAL QUANTITY									2361.68	
PAID QUANTITY									0.00	
PAYABLE									2361.68	



CONTRACTOR



ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BDO NO.	Description CH Item	CH	NOS	LENGTH	BY	BY	AVG BREADTH	DEPTH	QUANTITY	RATE
21	ESRRB MROD Road markers / Road stud ESRRB MROD 25 Supply and installation of Oxidized Shank spaced Placement Markers made of polycarbonate and RBS (Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 10000 kg tested in accordance to Specifications of Category A of SAE/SAE Circular No. 109/104/33023/10-97 DO M DE 11.06.1997 The height, width and length shall not exceed 50 mm, 100 mm and 302 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shank, (Ø diameter not less than 10 mm and height not less than 30mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer with 2 years warranty for the reflectivity from the original manufacturer is mandatory along with necessary test certification from the certified laboratory. Third party test certificates from a reputed test laboratory shall be submitted with Seal and Signature in Originals.								0.00	
	Quantity Vide RA Bill No. 1								0.00	
	Quantity Vide RA Bill No. 2								0.00	
	Quantity Vide RA Bill No. 3								0.00	
	Stretch : From Chandra Café to Aroma Bakery									
	Edge Line -LHS								881.00	2.5 m C/C
	0.00 1980.0 Nos 881								881.00	2.5 m C/C
	Edge Line -RHS								881.00	2.5 m C/C
	0.00 1980.0 Nos 881								881.00	2.5 m C/C
	Center Line								793.00	2.5 m C/C
	0.00 1980.0 Nos 793								793.00	2.5 m C/C
	Rumble Strips/Traverse Bars								14.00	
	Near CH : 100	Nos	14						14.00	
	Near CH : 600	Nos	14						14.00	
	Near CH : 750	Nos	14						14.00	
	Near CH : 1050	Nos	14						14.00	
	Near CH : 1317	Nos	14						14.00	
	Near CH : 1450	Nos	14						14.00	
	Near CH : 1500	Nos	14						14.00	
	Near CH : 1900	Nos	14						14.00	
	Zebra Crossing								7.00	
	Near CH : 0.00	Nos	7						14.00	2 Nos
	Near CH : 450	Nos	14						21.00	3 Nos
	Near CH : 1109	Nos	21						14.00	2 Nos
	Near CH : 170	Nos	14						7.00	
	Near CH : 1490	Nos	7						7.00	
	Near CH : 1590	Nos	7						7.00	
	Near CH : 1980	Nos	7						7.00	
	Zero Tolerance								20.00	
	Near CH : 450	Nos							20.00	
	Near CH : 1100	Nos							20.00	
	Stretch : From Vishnu Park to Sandeep Unn Krishnan Road									
	Edge Line -LHS								125.00	2.5 m C/C
	0.00 280.0 Nos 125								125.00	2.5 m C/C
	Edge Line -RHS								125.00	2.5 m C/C
	0.00 280.0 Nos 125								125.00	2.5 m C/C
	Center Line								113.00	2.5 m C/C
	0.00 280.0 Nos 113								113.00	2.5 m C/C
	TOTAL QUANTITY								3147.00	
	PAID QUANTITY								0.00	
	PAYABLE								3147.00	
22	Retro-Reflectorised Traffic Signs Providing and fixing of retro - reflectorised cautionary, mandatory and informatory sign as per IRC 67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing. 900 MM Equilateral triangle -Type XI								0.00	
	Quantity Vide RA Bill No. 1								0.00	
	Quantity Vide RA Bill No. 2								0.00	
	Quantity Vide RA Bill No. 3								0.00	
	Stretch : From Seshadripuram College to Aroma Bakery									



Assistant Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
EBMP, Bangalore - 92

(9)

BOQ No.	Description Of Item	Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
	Triangle - School / College Zone Sign	Nos	4						4.00	
	Triangle - Left Turn Sign	Nos	5						5.00	
	Triangle - Right Turn Sign	Nos	5						5.00	
	Triangle - Pedestrian Crossing Sign	Nos	8						8.00	
	Triangle - Major Road Ahead Sign	Nos	6						6.00	
	Triangle - Speed Bump	Nos	10						10.00	
	Two Wheeler Parking Sign	Nos	20						20.00	
	Four Wheeler Parking Sign	Nos	24						24.00	
	Octagon - STOP Sign	Nos	7						7.00	
	Hospital Zone Sign	Nos	6						6.00	
	Stretch : From Vishnu Park to Sandeep Unnikrishnan Road								5.00	
		Nos	5						100.00	
	TOTAL QUANTITY								0.00	
	PAID QUANTITY								100.00	
	PAYABLE									
23	Retro-Reflectorised Traffic Signs Providing and fixing of retro - reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing. 600 MM Circle -Type XI									0.00
	Quantity Vide RA Bill No. 1								0.00	
	Quantity Vide RA Bill No. 2								0.00	
	Quantity Vide RA Bill No. 3								0.00	
	Stretch : From Seshadripuram College to Aroma Bakery								8.00	
	Circle - Speed Limit Sign	Nos	8						4.00	
	Circle - Over Taking Prohibited	Nos	4						12.00	
	Two Wheeler No Parking Sign	Nos	12						16.00	
	Four Wheeler No Parking Sign	Nos	16						32.00	
	No Parking Sign	Nos	32						32.00	
	Stretch : From Vishnu Park to Sandeep Unnikrishnan Road								5.00	
		Nos	5						77.00	
	TOTAL QUANTITY								0.00	
	PAID QUANTITY								77.00	
	PAYABLE									
24	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH I Chapter 3									4461.62
	Quantity Vide RA Bill No. 1								779.80	
	Quantity Vide RA Bill No. 2								1799.09	
	Quantity Vide RA Bill No. 3								4226.49	
	Qty vide Pre MB page No 37	Cum							11267.00	
	PAID QUANTITY								7040.51	
	PAYABLE								4226.49	
25	KSRRB M800-29.2. Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material overtop and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum 450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98- 1997 and approved drawings complete as per specifications. Case -II: Double row for two utility services									169.80
	Quantity Vide RA Bill No. 1	Cum							169.80	
	PAID QUANTITY								169.80	
	PAYABLE								0.00	



ASSISTANT ENGINEER

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

BOQ No.	Description Of Item	Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
26	Providing and stone dust in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications and as per directions of engineer in charge									
	Quantity Vide RA Bill No. 1								454.34	
	Quantity Vide RA Bill No. 2								779.80	
	Quantity Vide RA Bill No. 3								323.54	
	Qty vide Pre MB page No								1091.93	
		Cum							2649.61	
	PAID QUANTITY								460.69	
	PAYABLE								2188.92	
27	KSRRB M2200-5.1 Providing and laying cement concrete of mix 1:2:4 with OPC @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.63cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section : 2200 & IS 456 a) upto 5mtr heigh~ (M-15) (PW,P& I WTD SR 2018-19 P-226, I-28.7.1)									
	Quantity Vide RA Bill No. 1								661.94	
	Quantity Vide RA Bill No. 2								257.79	
	Quantity Vide RA Bill No. 3								275.79	
	Qty vide Pre MB page No								789.86	
		Cum							1985.38	
	PAID QUANTITY								951.58	
	PAYABLE								1033.80	
28	KSRRB M2200-5.9. Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @31ts confirming to IS91 03-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. - i) Upto 5 m height.									
	Quantity Vide RA Bill No. 1								826.39	
	Quantity Vide RA Bill No. 2								126.23	
	Quantity Vide RA Bill No. 3								855.77	
	Qty vide Pre MB page No								481.81	
		Cum							2290.20	
	PAID QUANTITY								1808.40	
	PAYABLE								481.80	
29	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200 TMT Bars Fe 500									
	Quantity Vide RA Bill No. 1								51.989	
	Quantity Vide RA Bill No. 2								11.711	
	Quantity Vide RA Bill No. 3								41.817	
	Qty vide Pre MB page No								35.637	
		Cum							141.15	
	PAID QUANTITY								105.510	
	PAYABLE								35.644	
30	Supplying HDPE pipes confirming to IS 4984:1995 with latest amendments and conveying to work site including loading and unloading at both destination and rolling, lowering into trenches, laying true to line and joining of pipes and specials including encasing the pipe around to a depth of not less than 15cm with soft gravel or selected earth available from the excavation etc., complete, giving hydraulic test as per relevant ISS with all lead and lift including testing and commissioning, The rate is exclusive of required specials and fittings etc., complete (Contractor will make his own									

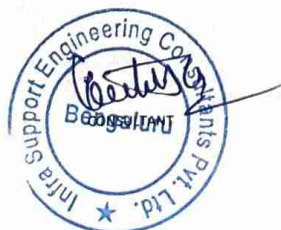


Asst. Engineer
ASSISTANT ENGINEER

Kundur
ASSISTANT EXECUTIVE ENGINEER
Asst. Executive Engineer
Project Division
Yelahanka Zone
BPMP, Bangalore - 92

11

BOQ No.	Description Of Item	U/R	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
	Quantity Vide RA Bill No. 1								4310.05	
	Quantity Vide RA Bill No. 3								3441.00	
		Cum							7751.05	
	PAID QUANTITY PAYABLE								7751.05	
									0.00	
31	Supply, fabrication and fixing of cast iron items such as recess manhole covers, bollards, manhole covers with gratings, etc as per approved drawing and confirming to BS-EN-124-B-124 standards (PW, P & IWTD SR 2016-17, Pg No VIII SI No. 223 Code No. 0723) DR								1064.39	
	Quantity Vide RA Bill No. 1								134.34	
	Quantity Vide RA Bill No. 2								8036.21	
	Qty vide Pre MB page No								9234.94	
		Cum							1198.73	
	PAID QUANTITY PAYABLE								8036.21	
32	Supplying PVC ringite pipe confirming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading and unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour, with all lead & lift including encasing the pipe around to a depth of not less than 15cms with soft gravel or selected earth available from the excavation etc.									
	Qty vide Pre MB page No								46.50	
		Cum							46.50	
	PAID QUANTITY PAYABLE								0.00	
									46.50	
33	Supplying PVC ringite pipe confirming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading and unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour, with all lead & lift including encasing the pipe around to a depth of not less than 15cms with soft gravel or selected earth available from the excavation etc.									
	Qty vide Pre MB page No								49.50	
		Cum							49.50	
	PAID QUANTITY PAYABLE								0.00	
									49.50	
34	Supplying PVC ringite pipe confirming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading and unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour, with all lead & lift including encasing the pipe around to a depth of not less than 15cms with soft gravel or selected earth available from the excavation etc.									
	Qty vide Pre MB page No								70.50	
		Cum							70.50	
	PAID QUANTITY PAYABLE								0.00	
									70.50	
40	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. f) 12.5mm chips (Data Rate)									
	Qty vide Pre MB page No								177.29	
		Cum							177.29	
	PAID QUANTITY PAYABLE								0.00	
									177.29	



[Signature]
ASSISTANT ENGINEER

[Signature]
ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer
Project Division
Yelahanka Zone
BEMP, Bangalore - 92

BID No.	Description Of Item	UNIT	NO.	LENGTH	BY	BY	AVG BREADTH	DEPTH	QUANTITY	RATE
41	Supplying and erection of R.C.C. Rings for well steining of 0.20m depth using M 20 grade cement concrete using clean graded granite or trap or jelly of approved quality 20mm and down size well compacted including centering, form work and plastering for both faces with C/M 1:3 proportion as per design using 6.5mm S. Coil at the rate of 10 KGS/ring including cost of steel and fabrication bailing out of water, erection etc. (PROC SR 2012-2013 P-44, 8 (a-iii) For 1.20m dia/clear) ring of steining thickness 0.075 Mtrs up to 18Mtr depth. For 1.8 Mtr depth Number of rings required is 1 R/ 3-6nos									
	Quantity Vide RA Bill No. 2								90.00	
		Cum							90.00	
	PAID QUANTITY								90.00	
	PAYABLE								0.00	
43	Providing and laying 100mm thick pre-cast U-shaped RCC drains using M20 grade Concrete reinforced with steel @ 5 kg per Sqm Precast units and jointed in CM 1:3 proportion and neatly finished including cost of labour, materials, HOM, curing, lead and lift charges etc, Complete as per MORTH specifications No. 1500, 1700 With size of 450 mm x 600 mm inner dimensions									
	Quantity Vide RA Bill No. 1								420.00	
		Cum							420.00	
	PAID QUANTITY								420.00	
	PAYABLE								0.00	
44	Providing and laying 100mm thick pre-cast cover slabs over drains of width not exceeding 800 mm using M20 concrete reinforced with steel @ 6.00 kg/Sqm, slabs jointed in CM 1:3 proportion and nicely finished including providing holes in the Cover slabs wherever necessary for easy drainage of surface water including of labour, materials, HOM, curing, lead and lift charges etc, Complete as per MORTH specifications No. 1500, 1700.									
	Quantity Vide RA Bill No. 1								1699.10	
	Quantity Vide RA Bill No. 2								320.00	
	Quantity Vide RA Bill No. 3								456.00	
DRAIN COVER SLABS										
Stretch : From CHIKKOBOMMSANDRA JUNCTION TO DAIRY CIRCLE JUNCTION - LHS										
	1390.0	1430.0	RMT	1	40.00				40.00	
	1430.0	1456.0	RMT	1	26.00				26.00	
	1456.0	1465.0	RMT	1						Cross Road - Show off
	1465.0	1490.0	RMT	1	25.00				25.00	
	1490.0	1498.0	RMT	1						Cross Road - Asha Sweet
	1498.0	1502.0	RMT	1	4.00				4.00	
	1502.0	1510.0	RMT	1						Bus Stop -Exit
	1510.0	1568.0	RMT	1	58.00				58.00	
	1568.0	1590.0	RMT	1						Bus Stop -Entry
	Near Cross Road		RMT	1	8.80				8.80	
	1590.0	1628.0	RMT	1						
	1628.0	1635.0	RMT	1						Parking Lot-Gate
	1635.0	1660.0	RMT	1						
	1660.0	1700.0	RMT	1						
	1700.0	1730.0	RMT	1						
	1730.0	1736.0	RMT	1						
	1736.0	1745.0	RMT	1						
	1745.0	1762.5	RMT	1	17.50				17.50	Parking Lot-Gate Cross Road-Srinath Gold
	1762.5	1768.0	RMT	1						9th B Road
	1768.0	1780.0	RMT	1	12.00				12.00	
	1780.0	1786.0	RMT	1						Temple Entrance
	1786.0	1805.0	RMT	1	19.00				19.00	
	1805.0	1815.0	RMT	1						10th B Main-Travel Point
	1815.0	1828.0	RMT	1	13.00				13.00	
	1828.0	1836.0	RMT	1						11th B Main
	1836.0	1860.0	RMT	1	24.00				24.00	
	1860.0	1867.0	RMT	1						Cross Road -IT Mall
	1867.0	1880.0	RMT	1	13.00				13.00	
	1880.0	1900.0	RMT	1	20.00				20.00	
	1900.0	1940.0	RMT	1	40.00				40.00	



Assistant Engineer

320.30
Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

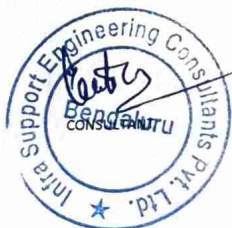
BOQ No.	Description Of Item	Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
	1940.0	1958.0	RMT	1	18.00				18.00	13th B Main -Samsung
	1958.0	1965.0	RMT	1						
	1965.0	1987.0	RMT	1	22.00				22.00	
Stretch : From Vishnu Park to Sandeep Unnikrishnan Road - RHS										
	0.0	5.0	RMT	1	5.00					
	5.0	10.0	RMT	1	5.00				10.00	
	10.0	20.0	RMT	1	10.00				10.00	
	20.0	30.0	RMT	1	10.00				10.00	
	30.0	40.0	RMT	1	10.00				10.00	
	40.0	53.0	RMT	1	13.00				0.00	DPS - Gate -3
	53.0	60.0	RMT	1	7.00				7.00	
	60.0	70.0	RMT	1	10.00				10.00	
	70.0	80.0	RMT	1	10.00				10.00	
	80.0	85.0	RMT	1	5.00				5.00	
	85.0	93.0	RMT	1	8.00				0.00	DPS - Gate -2
	93.0	100.0	RMT	1	7.00				7.00	
	100.0	110.0	RMT	1	10.00				10.00	
	110.0	120.0	RMT	1	10.00				10.00	
	120.0	122.5	RMT	1	2.50				0.00	DPS - Gate -1
	122.5	129.0	RMT	1	6.50				1.00	
	129.0	130.0	RMT	1	1.00				5.00	
	130.0	135.0	RMT	1	5.00				0.00	PS Gate-1
	135.0	142.0	RMT	1	7.00				8.00	
	142.0	150.0	RMT	1	8.00				11.00	
	150.0	161.0	RMT	1	11.00				0.00	PS Gate-2
	161.0	166.0	RMT	1	5.00				4.00	
	166.0	170.0	RMT	1	4.00				10.00	
	170.0	180.0	RMT	1	10.00				10.00	
	180.0	190.0	RMT	1	10.00				10.00	
	190.0	200.0	RMT	1	10.00				10.00	
	200.0	210.0	RMT	1	10.00				4.00	
	210.0	214.0	RMT	1	4.00				0.00	Seshadripuram Gate 5
	214.0	219.0	RMT	1	5.00				11.00	
	219.0	230.0	RMT	1	11.00				20.00	
	230.0	250.0	RMT	1	20.00				10.00	
	250.0	260.0	RMT	1	10.00				10.00	
	260.0	270.0	RMT	1	10.00				3.00	
	270.0	273.0	RMT	1	3.00				0.00	Seshadripuram Gate 4
	273.0	279.5	RMT	1	6.50					
Stretch : From Vishnu Park to Sandeep Unnikrishnan Road - LHS										
	0.0	6.2	RMT	1	6.20				3.80	
	6.2	10.0	RMT	1	3.80				10.00	
	10.0	20.0	RMT	1	10.00				10.00	
	20.0	30.0	RMT	1	10.00				10.00	
	30.0	40.0	RMT	1	10.00				10.00	
	40.0	50.0	RMT	1	10.00				10.00	
	50.0	60.0	RMT	1	10.00				10.00	
	60.0	70.0	RMT	1	10.00				10.00	
	70.0	80.0	RMT	1	10.00				10.00	
	80.0	90.0	RMT	1	10.00				10.00	
	90.0	100.0	RMT	1	10.00				4.00	
	100.0	104.0	RMT	1	4.00				5.00	
	104.0	109.0	RMT	1	5.00				1.00	
	109.0	110.0	RMT	1	1.00				10.00	
	110.0	120.0	RMT	1	10.00				5.00	
	120.0	125.0	RMT	1	5.00				0.00	6th B Main
	125.0	131.5	RMT	1	6.50				8.50	
	131.5	140.0	RMT	1	8.50				9.00	
	140.0	149.0	RMT	1	9.00				0.00	7th B Main
	149.0	156.5	RMT	1	7.50				3.50	
	156.5	160.0	RMT	1	3.50				10.00	
	160.0	170.0	RMT	1	10.00				10.00	
	170.0	180.0	RMT	1	10.00				10.00	
	180.0	190.0	RMT	1	10.00				10.00	
	190.0	200.0	RMT	1	10.00				10.00	



ASSISTANT ENGINEER

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

BOQ No.	Description Of Item		Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
	200.0	210.0	RMT	1	10.00						
	210.0	220.0	RMT	1	10.00						
	220.0	235.0	RMT	1	15.00						
	235.0	250.0	RMT	1	15.00					15.00	
	250.0	260.0	RMT	1	10.00					10.00	
	260.0	270.0	RMT	1	10.00					10.00	
	270.0	279.5	RMT	1	9.50					9.50	
TOTAL QUANTITY										3275.70	
PAID QUANTITY										2475.10	
PAYABLE										800.60	
46	Providing and fixing pre cast solid cement concrete kerb stones made out of C. C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1 :3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.										
Quantity Vide RA Bill No. 1										2867.00	
Quantity Vide RA Bill No. 2										1509.00	
Quantity Vide RA Bill No. 3										3531.00	
For KERBSTONE FIXING											
Stretch : From Vishnu Park to Sandeep Unnikrishnan Road - LHS											
	0.0	6.2	Rmt	1	6.20					6.20	
	6.2	10.0	Rmt	1	3.80					3.80	
	10.0	20.0	Rmt	1	10.00					10.00	
	20.0	30.0	Rmt	1	10.00					10.00	
	30.0	40.0	Rmt	1	10.00					10.00	
	40.0	50.0	Rmt	1	10.00					10.00	
	50.0	60.0	Rmt	1	10.00					10.00	
	60.0	70.0	Rmt	1	10.00					10.00	
	70.0	80.0	Rmt	1	10.00					10.00	
	80.0	90.0	Rmt	1	10.00					10.00	
	90.0	100.0	Rmt	1	10.00					10.00	
	100.0	104.0	Rmt	1	4.00					4.00	
	104.0	109.0	Rmt	1	5.00					5.00	
	109.0	110.0	Rmt	1	1.00					1.00	
	110.0	120.0	Rmt	1	10.00					10.00	
	120.0	125.0	Rmt	1	5.00					5.00	
	125.0	131.5	Rmt	1	6.50						6th B Main
	131.5	140.0	Rmt	1	8.50					8.50	
	140.0	149.0	Rmt	1	9.00					9.00	
	149.0	156.5	Rmt	1	7.50						7th B Main
	156.5	160.0	Rmt	1	3.50					3.50	
	160.0	170.0	Rmt	1	10.00					10.00	
	170.0	180.0	Rmt	1	10.00					10.00	
	180.0	190.0	Rmt	1	10.00					10.00	
	190.0	200.0	Rmt	1	10.00					10.00	
	200.0	210.0	Rmt	1	10.00					10.00	
	210.0	220.0	Rmt	1	10.00					10.00	
	220.0	235.0	Rmt	1	15.00					15.00	
	235.0	250.0	Rmt	1	15.00					15.00	
	250.0	260.0	Rmt	1	10.00					10.00	
	260.0	270.0	Rmt	1	10.00					10.00	
	270.0	279.5	Rmt	1	9.50					9.50	
Stretch : From Vishnu Park to Sandeep Unnikrishnan Road - RHS											
	0.0	5.0	Rmt	1	5.00					5.00	
	5.0	10.0	Rmt	1	5.00					5.00	
	10.0	20.0	Rmt	1	10.00					10.00	
	20.0	30.0	Rmt	1	10.00					10.00	
	30.0	40.0	Rmt	1	10.00					10.00	
	40.0	53.0	Rmt	1	13.00						DPS - Gate -3
	53.0	60.0	Rmt	1	7.00					7.00	
	60.0	70.0	Rmt	1	10.00					10.00	



Asst. Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

BOQ No.	Description Of Item		Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
	70.0	80.0	Rmt	1	10.00						
	80.0	85.0	Rmt	1	5.00					10.00	
	85.0	93.0	Rmt	1	8.00					5.00	
	93.0	100.0	Rmt	1	7.00						DPS - Gate -2
	100.0	110.0	Rmt	1	10.00					7.00	
	110.0	120.0	Rmt	1	10.00					10.00	
	120.0	122.5	Rmt	1	2.50					10.00	
	122.5	129.0	Rmt	1	6.50						DPS - Gate -1
	129.0	130.0	Rmt	1	1.00						
	130.0	135.0	Rmt	1	5.00					1.00	
	135.0	142.0	Rmt	1	7.00					5.00	
	142.0	150.0	Rmt	1	8.00						PS Gate-1
	150.0	161.0	Rmt	1	11.00					8.00	
	161.0	166.0	Rmt	1	5.00					11.00	
	166.0	170.0	Rmt	1	4.00						PS Gate-2
	170.0	180.0	Rmt	1	10.00					4.00	
	180.0	190.0	Rmt	1	10.00					10.00	
	190.0	200.0	Rmt	1	10.00					10.00	
	200.0	210.0	Rmt	1	10.00					10.00	
	210.0	214.0	Rmt	1	4.00					10.00	
	214.0	219.0	Rmt	1	5.00					4.00	
	219.0	230.0	Rmt	1	11.00						Seshadripuram Gate 5
	230.0	250.0	Rmt	1	20.00					11.00	
	250.0	260.0	Rmt	1	10.00					20.00	
	260.0	270.0	Rmt	1	10.00					10.00	
	270.0	273.0	Rmt	1	3.00					10.00	
	273.0	279.5	Rmt	1	6.50					3.00	
	TOTAL QUANTITY		Rmt								
	TOTAL QUANTITY		Nos								
	PAID QUANTITY										
	PAYABLE										
										491.50	Seshadripuram Gate 4
										8999.00	
										7907.00	
										1092.00	

47

KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS

Quantity Vide RA Bill No. 1

Quantity Vide RA Bill No. 2

For Footpath

Stretch : From CHIKKBOMMSANDRA JUNCTION TO DAIRY CIRCLE JUNCTION - LHS

1109.0	1127.0	Sqm	1	18.00	2.24	2.23	2.24	40.23	
1127.0	1130.0	Sqm	1					0.00	Cross Road -Mufti
1130.0	1171.0	Sqm	1	41.00	2.00	2.40	2.20	90.20	
1177.8	1197.4	Sqm	1	19.60	2.30	2.30	2.30	45.08	
1197.4	1201.1	Sqm	1					0.00	2 nd B Main-Appolo
1201.1	1221.4	Sqm	1	20.30	2.70	2.80	2.75	55.83	
1221.4	1226.5	Sqm	1					0.00	3rd A Main-Battery Shop
1226.5	1243.0	Sqm	1	16.50	2.90	3.00	2.95	48.68	
1243.0	1247.5	Sqm	1					0.00	Cross Road -Focus Bay
1247.5	1266.0	Sqm	1	18.50	2.80	2.70	2.75	50.88	
1266.0	1274.0	Sqm	1					0.00	Cross Road-KOTAK ATM
1274.0	1300.0	Sqm	1	26.00	1.60	2.40	2.00	52.00	
1300.0	1317.0	Sqm	1	17.00	2.40	2.40	2.40	40.80	
1317.0	1327.0	Sqm	1					0.00	Cross Road-Agarwal Hospital
1327.0	1350.0	Sqm	1	23.00	2.10	2.50	2.30	52.90	
1350.0	1390.0	Sqm	1	40.00	2.50	2.80	2.65	106.00	
1390.0	1430.0	Sqm	1	40.00	2.80	2.60	2.70	108.00	
1430.0	1456.0	Sqm	1	26.00	2.60	2.80	2.70	70.20	
1456.0	1465.0	Sqm	1					0.00	Cross Road - Show off
1465.0	1490.0	Sqm	1	25.00	1.90	1.90	1.90	47.50	
1490.0	1498.0	Sqm	1					0.00	Cross Road - Asha Sweet



ASSISTANT ENGINEER

Asst. Executive Engineer
Project Division
Yalahanka Zone
BLMP, Bangalore - 92

ASSISTANT EXECUTIVE ENGINEER

BOQ No.	Description Of Item	Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
1498.0	1502.0	Sqm	1	4.00	0.80	0.80	0.80		3.20	Bus Stop -Exit
1502.0	1510.0	Sqm	1						0.00	
1510.0	1568.0	Sqm	1	58.00	1.90	1.90	1.90		110.20	Bus Stop -Entry
1568.0	1590.0	Sqm	1						0.00	
1590.0	1628.0	Sqm	1	38.00	2.40	2.60	2.50		95.00	Parking Lot-Gate
1628.0	1635.0	Sqm	1	7.00					0.00	
1635.0	1660.0	Sqm	1	25.00	2.40	2.90	2.65		66.25	
1660.0	1700.0	Sqm	1	40.00	2.90	2.60	2.75		110.00	
1700.0	1730.0	Sqm	1	30.00	2.60	2.60	2.60		78.00	Parking Lot-Gate
1730.0	1736.0	Sqm	1						0.00	Cross Road-Srinath Gold
1736.0	1745.0	Sqm	1						0.00	
1745.0	1762.5	Sqm	1	17.50	4.00	3.30	3.65		63.88	9th B Road
1762.5	1768.0	Sqm	1						0.00	
1768.0	1780.0	Sqm	1	12.00	5.70	5.70	5.70		68.40	Temple Entrance
1780.0	1786.0	Sqm	1						0.00	
1786.0	1805.0	Sqm	1	19.00	1.30	1.30	1.30		24.70	10th B Main-Travel Point
1805.0	1815.0	Sqm	1						0.00	
1815.0	1828.0	Sqm	1	13.00	1.80	1.80	1.80		23.40	11th B Main
1828.0	1836.0	Sqm	1						0.00	
1836.0	1860.0	Sqm	1	24.00	2.30	3.10	2.70		64.56	Cross Road -IT Mall
1860.0	1867.0	Sqm	1						0.00	
1867.0	1880.0	Sqm	1	13.00	2.00	1.50	1.55		22.75	
1880.0	1900.0	Sqm	1	20.00	1.50	1.60	1.55		31.00	
1900.0	1940.0	Sqm	1	40.00	1.60	1.60	1.60		64.00	
1940.0	1958.0	Sqm	1	18.00	1.60	1.80	1.70		30.60	13th B Main -Samsung
1958.0	1965.0	Sqm	1						0.00	
1965.0	1987.0	Sqm	1	22.00	1.80	1.30	1.55		34.10	
Deductions										
	Shoulder Drain	Sqm	-5	0.60	1.90	1.90	1.90		-5.70	
	Shoulder Drain	Sqm	-2	0.60	2.50	2.50	2.50		-3.00	
	Shoulder Drain	Sqm	-7	0.60	3.00	3.00	3.00		-12.60	
	Tree Pits	Sqm	-12	1.30	1.50	1.50	1.50		-23.40	
For Footpath										
Stretch : From CHIKKBOMMSANDRA JUNCTION TO DAIRY CIRCLE JUNCTION - RHS										
1987.0	1964.0	Sqm	1	23.00	2.50	2.50	2.50		57.50	13th B main Raod
1964.0	1958.0	Sqm	1	6.00	0.00		0.00		0.00	
1958.0	1935.0	Sqm	1	23.00	2.60	2.60	2.60		59.80	Mahalakshmi Sweets
1935.0	1926.0	Sqm	1	9.00	0.00		0.00		0.00	
1926.0	1900.0	Sqm	1	26.00	2.50	2.70	2.60		67.60	
1900.0	1880.0	Sqm	1	20.00	2.70	2.70	2.70		54.00	
1880.0	1860.0	Sqm	1	20.00	2.70	2.80	2.75		55.00	
1860.0	1820.0	Sqm	1	40.00	2.80	2.40	2.60		104.00	
1820.0	1800.0	Sqm	1	20.00	2.40	2.40	2.40		48.00	
1800.0	1760.0	Sqm	1	40.00	2.40	2.40	2.40		96.00	
1760.0	1745.0	Sqm	1	15.00	2.40	2.60	2.50		37.50	Poonam Hardware
1745.0	1737.0	Sqm	1	8.00	0.00		0.00		0.00	
1737.0	1720.0	Sqm	1	17.00	2.60	2.20	2.40		40.80	
1720.0	1680.0	Sqm	1	40.00	2.20	2.00	2.10		84.00	
1680.0	1635.0	Sqm	1	45.00	2.00	2.50	2.25		101.25	
1635.0	1590.0	Sqm	1	45.00	2.50	2.90	2.70		121.50	7th B Main - Madhu Bakery
1590.0	1583.0	Sqm	1	7.00	0.00		0.00		0.00	
1583.0	1575.0	Sqm	1	8.00	2.60	2.60	2.60		20.80	
1575.0	1565.0	Sqm	1	10.00	2.60	2.60	2.60		26.00	
1565.0	1530.0	Sqm	1	35.00	2.60	2.70	2.65		92.75	
1530.0	1495.0	Sqm	1	35.00	2.70	2.70	2.70		94.50	6th B Main-Dry Fruit house
1495.0	1490.0	Sqm	1	5.00	0.00		0.00		0.00	
1490.0	1470.0	Sqm	1	20.00	3.20	2.60	2.90		58.00	
1470.0	1450.0	Sqm	1	20.00	2.60	2.45	2.53		50.50	
1450.0	1430.0	Sqm	1	20.00	2.45	2.45	2.45		49.00	
1430.0	1410.0	Sqm	1	20.00	2.45	2.45	2.45		49.00	
1410.0	1390.0	Sqm	1	20.00	2.45	2.40	2.43		48.50	
1390.0	1370.0	Sqm	1	20.00	2.40	2.90	2.65		53.00	
1370.0	1327.0	Sqm	1	43.00	2.90	3.00	2.95		126.85	



ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINE

3249.71

BOQ No.	Description Of Item	UOM	NO	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
1327.0	1317.0	Sqm	1	10.00		0.00	0.00		0.00	4th B Main Mahaveer Mobile
1317.0									99.90	
1280.0	1280.0	Sqm	1	37.00	2.70	2.70	2.70		135.00	
1230.0	1230.0	Sqm	1	50.00	2.70	2.70	2.70		54.00	
1210.0	1210.0	Sqm	1	20.00	2.70	2.70	2.70		112.00	
1170.0	1170.0	Sqm	1	40.00	2.70	2.90	2.80		29.00	1st B Main Road Raymond
1160.0	1160.0	Sqm	1	10.00	2.90	2.90	2.90		0.00	
1152.0	1152.0	Sqm	1	8.00		0.00	0.00		59.80	
1130.0	1130.0	Sqm	1	22.00	2.60	2.80	2.80		58.80	
1130.0	1109.0	Sqm	1	21.00	2.80	2.80	2.80		85.80	
Deductions										
	Tree Pits	Sqm	44	1.30	1.50	1.50	1.50			
For Footpath										
Stretch : From Vishnu Park to Sandeep Unnikrishnan Road - LHS										
0.0	6.2	Sqm	1	6.20	2.47	2.47	2.47		15.31	
6.2	10.0	Sqm	1	3.80	2.47	2.30	2.39		9.06	
10.0	20.0	Sqm	1	10.00	2.30	2.45	2.38		23.75	
20.0	30.0	Sqm	1	10.00	2.45	2.75	2.60		26.00	
30.0	40.0	Sqm	1	10.00	2.75	2.35	2.55		25.50	
40.0	50.0	Sqm	1	10.00	2.35	2.60	2.48		24.75	
50.0	60.0	Sqm	1	10.00	2.60	2.60	2.60		26.00	
60.0	70.0	Sqm	1	10.00	2.60	2.40	2.50		25.00	
70.0	80.0	Sqm	1	10.00	2.40	2.60	2.50		26.25	
80.0	90.0	Sqm	1	10.00	2.60	2.65	2.63		26.70	
90.0	100.0	Sqm	1	10.00	2.65	2.69	2.67		10.76	
100.0	104.0	Sqm	1	4.00	2.69	2.69	2.69		12.30	
104.0	109.0	Sqm	1	5.00	2.69	2.23	2.46		2.57	
109.0	110.0	Sqm	1	1.00	2.23	2.90	2.57		24.50	
110.0	120.0	Sqm	1	10.00	2.90	2.00	2.45		10.00	6th B Main
120.0	125.0	Sqm	1	5.00	2.00	2.00	2.00		0.00	
125.0	131.5	Sqm	1	6.50	0.00	0.00	0.00		19.98	
131.5	140.0	Sqm	1	8.50	2.35	2.35	2.35		21.15	
140.0	149.0	Sqm	1	9.00	2.35	2.35	2.35		0.00	7th B Main
149.0	156.5	Sqm	1	7.50	0.00	0.00	0.00		10.33	
156.5	160.0	Sqm	1	3.50	2.95	2.95	2.95		29.00	
160.0	170.0	Sqm	1	10.00	2.95	2.85	2.90		27.75	
170.0	180.0	Sqm	1	10.00	2.85	2.70	2.78		26.50	
180.0	190.0	Sqm	1	10.00	2.70	2.60	2.65		25.75	
190.0	200.0	Sqm	1	10.00	2.60	2.55	2.58		25.25	
200.0	210.0	Sqm	1	10.00	2.55	2.50	2.53		25.85	
210.0	220.0	Sqm	1	10.00	2.50	2.67	2.59		36.98	
220.0	235.0	Sqm	1	15.00	2.67	2.26	2.47		35.78	
235.0	250.0	Sqm	1	15.00	2.26	2.50	2.38		24.50	
250.0	260.0	Sqm	1	10.00	2.50	2.40	2.45		21.25	
260.0	270.0	Sqm	1	10.00	2.40	1.85	2.13		17.53	
270.0	279.5	Sqm	1	9.50	1.85	1.84	1.85			
Deductions										
	Tree Pits	Sqm	-1	1.70			2.75		-4.68	
		Sqm	-1	1.65			1.40		-2.31	
		Sqm	-1	1.30			1.47		-1.91	
		Sqm	-1	1.89			2.06		-3.89	
		Sqm	-1	1.28			1.39		-1.78	
		Sqm	-1	1.80			1.70		-3.06	
		Sqm	-1	1.05			0.90		-0.95	
		Sqm	-1	1.34			1.56		-2.09	
		Sqm	-1	1.34			1.56		-2.09	
		Sqm	-1	1.34			1.56		-2.09	
		Sqm	-1	1.34			1.56		-2.09	
		Sqm	-1	2.50			2.15		-5.38	
		Sqm	-1	1.60			1.72		-2.75	
		Sqm	-1	2.38			2.70		-6.43	
		Sqm	-1	1.23			1.48		-1.82	
Stretch : From Vishnu Park to Sandeep Unnikrishnan Road - RHS										
0.0	5.0	Sqm	1	5.00	2.30	2.30	2.30		11.50	



ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BOQ No.	Description Of Item	Unit	NOS	LENGTH	R1	R2	AVG BREADTH	DEPTH	QUANTITY	RATE
5.0										
10.0	10.0	Sqm	1	5.00	2.30	2.30	2.30		11.50	
20.0	20.0	Sqm	1	10.00	2.20	2.20	2.20		22.00	
30.0	30.0	Sqm	1	10.00	2.20	2.20	2.20		22.00	
40.0	40.0	Sqm	1	10.00	2.35	2.35	2.35		23.50	
53.0	53.0	Sqm	1	13.00	0.00	0.00	0.00		0.00	DPS - Gate - 3
60.0	60.0	Sqm	1	7.00	1.60	2.65	2.13		14.88	
70.0	70.0	Sqm	1	10.00	2.65	2.75	2.70		27.00	
80.0	80.0	Sqm	1	10.00	2.75	2.90	2.83		28.25	
85.0	85.0	Sqm	1	5.00	2.90	2.90	2.90		14.50	
93.0	93.0	Sqm	1	8.00	0.00	0.00	0.00		0.00	DPS - Gate - 2
100.0	100.0	Sqm	1	7.00	2.50	2.50	2.50		17.50	
110.0	110.0	Sqm	1	10.00	2.30	2.30	2.30		23.00	
120.0	120.0	Sqm	1	10.00	2.30	1.75	2.03		20.25	
122.5	122.5	Sqm	1	2.50	0.00	0.00	0.00		0.00	DPS - Gate - 1
129.0	129.0	Sqm	1	6.50	0.00	0.00	0.00		0.00	
130.0	130.0	Sqm	1	1.00	2.32	2.32	2.32		2.32	
135.0	135.0	Sqm	1	5.00	2.32	2.32	2.32		11.60	
142.0	142.0	Sqm	1	7.00	0.00	0.00	0.00		0.00	PS Gate-1
150.0	150.0	Sqm	1	8.00	3.70	2.55	3.13		25.00	
161.0	161.0	Sqm	1	11.00	2.55	2.55	2.55		28.05	
166.0	166.0	Sqm	1	5.00	0.00	0.00	0.00		0.00	PS Gate-2
170.0	170.0	Sqm	1	4.00	2.60	2.60	2.60		10.40	
180.0	180.0	Sqm	1	10.00	2.60	2.70	2.65		26.50	
190.0	190.0	Sqm	1	10.00	2.70	2.80	2.75		27.50	
200.0	200.0	Sqm	1	10.00	2.80	2.80	2.80		28.00	
210.0	210.0	Sqm	1	10.00	2.80	2.70	2.75		27.50	
214.0	214.0	Sqm	1	4.00	2.70	2.70	2.70		10.80	
219.0	219.0	Sqm	1	5.00	0.00	0.00	0.00		0.00	Seshadripuram Gate 5
230.0	230.0	Sqm	1	11.00	2.65	2.65	2.65		29.15	
250.0	250.0	Sqm	1	20.00	2.75	2.75	2.75		55.00	
260.0	260.0	Sqm	1	10.00	2.80	2.80	2.80		28.00	
270.0	270.0	Sqm	1	10.00	2.00	2.00	2.00		20.00	
273.0	273.0	Sqm	1	3.00	2.00	2.00	2.00		6.00	
273.0	279.5	Sqm	1	6.50	0.00	0.00	0.00		0.00	Seshadripuram Gate 4
Deductions										
		Sqm	-1	1.56			1.80		-2.81	
		Sqm	-1	1.86			2.20		-4.09	
		Sqm	-1	1.30			1.00		-1.30	
		Sqm	-1	1.30			1.00		-1.30	
		Sqm	-1	1.65			1.65		-2.72	
		Sqm	-1	1.40			1.34		-1.88	
		Sqm	-1	2.65			3.63		-9.62	
		Sqm	-1	0.80			0.80		-0.64	
		Sqm	-1	2.90			3.62		-10.50	
		Sqm	-1	2.02			1.50		-3.03	
		Sqm	-1	2.53			1.90		-4.81	
		Sqm	-1	1.80			1.92		-3.46	
		Sqm	-1	1.42			1.45		-2.06	
		Sqm	-1	2.40			1.68		-4.03	
		Sqm	-1	1.75			1.55		-2.71	
		Sqm	-1	2.00			1.49		-2.98	
		Sqm	-1	0.88			0.90		-0.79	
		Sqm	-1	0.90			0.90		-0.81	
		Sqm	-1	1.20			1.20		-1.44	
		Sqm	-1	1.20			1.20		-1.44	
		Sqm	-1	2.68			4.55		-12.19	
		Sqm	-1	2.20			2.80		-6.16	
	TOTAL QUANTITY								9090.76	
	PAID QUANTITY								4270.98	
	PAYABLE								4819.78	

Cape
12/10/23
A.E.E. (Project)

Tree Pits

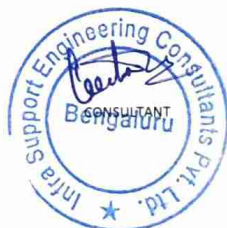
Cape
12/3/24
E.E. (Project)

4912.86

81.58

Final

4831.27



[Signature]
ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINE

BOQ No.	Description Of Item	Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
48	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, for coping. Including cost of all materials, labour, HOM, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (PW, P& I WTD SR 2018-19 P-255, 1-34.11)								40.50	
	Qty vide Pre MB page No. <i>XX</i>	Cum							40.50	
									0.00	
	PAID QUANTITY PAYABLE								40.50	
49	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8								0.00	
	Quantity Vide RA Bill No. 1								0.00	
	Quantity Vide RA Bill No. 2								0.00	
	Quantity Vide RA Bill No. 3									
For Kerb										
Stretch : From Chandra Cafe to Kanthi Sweets - LHS										
	20.0	39.7	Sqm	1	19.70			0.380	7.49	
			Sqm	1	13.00			0.380	4.94	
	45.0	58.0	Sqm	1	12.00			0.380	4.56	
	58.0	70.0	Sqm	1	20.00			0.380	7.60	
	70.0	90.0	Sqm	1	30.00			0.380	11.40	
	90.0	120.0	Sqm	1	30.00			0.380	11.40	
	120.0	150.0	Sqm	1	7.00			0.380	2.66	
	150.0	157.0	Sqm	1	10.00			0.380	3.80	
	180.0	190.0	Sqm	1	10.00			0.380	3.80	
	190.0	200.0	Sqm	1	10.00			0.380	3.80	
	200.0	210.0	Sqm	1	10.00			0.380	3.80	
	210.0	220.0	Sqm	1	10.00			0.380	3.80	
	220.0	230.0	Sqm	1	1.50			0.380	0.57	
	238.5	240.0	Sqm	1	10.00			0.380	3.80	
	240.0	250.0	Sqm	1	10.00			0.380	3.80	
	250.0	260.0	Sqm	1	6.00			0.380	2.28	
	260.0	266.0	Sqm	1	9.00			0.380	3.42	
	271.0	280.0	Sqm	1	10.00			0.380	3.80	
	280.0	290.0	Sqm	1	10.00			0.380	3.80	
	290.0	300.0	Sqm	1	10.00			0.380	3.80	
	300.0	310.0	Sqm	1	10.00			0.380	3.80	
	310.0	320.0	Sqm	1	10.00			0.380	3.80	
	320.0	330.0	Sqm	1	10.00			0.380	3.80	
	330.0	340.0	Sqm	1	10.00			0.380	3.80	
	340.0	350.0	Sqm	1	6.00			0.380	2.28	
	350.0	360.0	Sqm	1	5.00			0.380	1.90	
	360.0	366.0	Sqm	1	10.00			0.380	3.80	
	375.0	380.0	Sqm	1	10.00			0.380	3.80	
	380.0	390.0	Sqm	1	10.00			0.380	3.80	
	390.0	400.0	Sqm	1	10.00			0.380	3.80	
	400.0	410.0	Sqm	1	10.00			0.380	3.80	
	410.0	420.0	Sqm	1	10.00			0.380	3.80	
	420.0	430.0	Sqm	1	10.00			0.380	3.80	
	430.0	440.0	Sqm	1	10.00			0.380	3.80	
	450.0	460.0	Sqm	1	5.00			0.380	1.90	
	460.0	465.0	Sqm	1	15.00			0.380	5.70	
	465.0	480.0	Sqm	1	5.00			0.380	1.90	
	480.0	485.0	Sqm	1	8.00			0.380	3.04	
	485.0	493.0	Sqm	1	7.00			0.380	2.66	
	493.0	500.0	Sqm	1	10.00			0.380	3.80	
	500.0	510.0	Sqm	1	10.00			0.380	3.80	
	510.0	520.0	Sqm	1	10.00			0.380	3.80	
	520.0	530.0	Sqm	1	10.00			0.380	3.80	
	530.0	540.0	Sqm	1	10.00			0.380	3.80	
	540.0	550.0	Sqm	1	10.00			0.380	3.80	
	550.0	560.0	Sqm	1	10.00			0.380	3.80	

Cafe Kanthi Sweets

A.E.E. (Project)

182.10



[Signature]
ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BOQ No.	Description Of Item		Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
	560.0	572.0	Sqm	1	12.00				0.380	4.56	
	572.0	583.0	Sqm	1	11.00				0.380	4.18	
	583.0	590.0	Sqm	1	7.00				0.380	2.66	
	590.0	600.0	Sqm	1	10.00				0.380	3.80	
	600.0	610.0	Sqm	1	10.00				0.380	3.80	
	610.0	620.0	Sqm	1	10.00				0.380	3.80	
	620.0	630.0	Sqm	1	10.00				0.380	3.80	
	630.0	640.0	Sqm	1	10.00				0.380	3.80	
	640.0	650.0	Sqm	1	10.00				0.380	3.80	
	650.0	660.0	Sqm	1	10.00				0.380	3.80	
	660.0	670.0	Sqm	1	10.00				0.380	1.90	
	670.0	680.0	Sqm	1	5.00				0.380	5.70	
	680.0	685.0	Sqm	1	15.00				0.380	3.80	
	685.0	700.0	Sqm	1	10.00				0.380	3.80	
	700.0	710.0	Sqm	1	10.00				0.380	3.80	
	710.0	720.0	Sqm	1	10.00				0.380	3.80	
	720.0	730.0	Sqm	1	10.00				0.380	3.80	
	730.0	740.0	Sqm	1	10.00				0.380	7.60	
	740.0	750.0	Sqm	1	20.00				0.380	7.60	
	750.0	770.0	Sqm	1	20.00				0.380	3.80	
	770.0	790.0	Sqm	1	10.00				0.380	7.60	
	790.0	800.0	Sqm	1	20.00				0.380	9.50	
	800.0	820.0	Sqm	1	25.00				0.380	2.66	
	820.0	845.0	Sqm	1	7.00				0.380	3.04	
	845.0	852.0	Sqm	1	8.00				0.380	7.60	
	852.0	860.0	Sqm	1	20.00				0.380	7.60	
	860.0	880.0	Sqm	1	20.00				0.380	7.60	
	880.0	900.0	Sqm	1	20.00				0.380	7.60	
	900.0	920.0	Sqm	1	20.00				0.380	7.60	
	920.0	940.0	Sqm	1	20.00				0.380	7.60	
	940.0	960.0	Sqm	1	20.00				0.380	7.60	
	960.0	980.0	Sqm	1	20.00				0.380	7.60	
	980.0	1000.0	Sqm	1	20.00				0.380	3.80	
	1000.0	1020.0	Sqm	1	10.00				0.380	1.52	
	1020.0	1030.0	Sqm	1	4.00				0.380	7.98	
	1030.0	1034.0	Sqm	1	21.00				0.380	3.04	
	1034.0	1055.0	Sqm	1	8.00				0.380	6.46	
	1055.0	1063.0	Sqm	1	17.00				0.380	11.02	
	1063.0	1080.0	Sqm	1	29.00				0.380		
	1080.0	1109.0	Sqm	1							
For Kerb											
Stretch : From Chandra Cafe to Kanthi Sweets - RHS											
	12.0	37.0	Sqm	1	25.00				0.380	9.50	
	37.0	55.5	Sqm	1	18.50				0.380	7.03	
	55.5	68.5	Sqm	1	6.50				0.380	2.47	
	68.5	77.0	Sqm	1	8.50				0.380	3.23	
	77.0	87.8	Sqm	1	10.80				0.380	4.10	
	87.8	107.8	Sqm	1	20.00				0.380	7.60	
	107.8	123.8	Sqm	1	9.20				0.380	3.50	
	123.8	128.3	Sqm	1	4.50				0.380	1.71	
	128.3	137.6	Sqm	1	9.30				0.380	3.53	
	137.6	142.5	Sqm	1	4.90				0.380	1.86	
	142.5	157.0	Sqm	1	14.50				0.380	5.51	
	157.0	190.0	Sqm	1	10.00				0.380	3.80	
	190.0	200.0	Sqm	1	10.00				0.380	3.80	
	200.0	210.0	Sqm	1	10.00				0.380	3.80	
	210.0	220.0	Sqm	1	10.00				0.380	3.80	
	220.0	230.0	Sqm	1	10.00				0.380	3.80	
	230.0	240.0	Sqm	1	10.00				0.380	3.80	
	240.0	250.0	Sqm	1	10.00				0.380	3.80	
	250.0	260.0	Sqm	1	10.00				0.380	3.80	
	260.0	270.0	Sqm	1	10.00				0.380	3.80	
	270.0	280.0	Sqm	1	10.00				0.380	3.80	
	280.0	290.0	Sqm	1	10.00				0.380	3.80	
	290.0	294.0	Sqm	1	4.00				0.380	1.52	

182.120

Cafe Kanthi

A.E.E. (Project)

390.72

Cafe Kanthi

27/10/23

A.E.E. (Project)

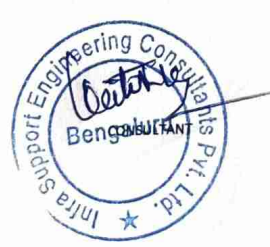
182.19.0

C&P
Kanthi
A.E.E. (Project)

390.72

C&P
Kanthi
25/10/23
A.E.E. (Project)

484.09



Assistant Engineer

ASSISTANT EXECUTIVE ENGINEER

CF 484.28

BOQ No.	Description Of Item	U/R	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
305.0	310.0	Sqm	1	5.00				0.380	1.90	
310.0	323.0	Sqm	1	13.00				0.380	4.94	
328.8	330.0	Sqm	1	1.20				0.380	0.46	
330.0	338.7	Sqm	1	8.70				0.380	3.31	
345.7	350.0	Sqm	1	4.30				0.380	1.63	
350.0	360.0	Sqm	1	10.00				0.380	3.80	
360.0	370.0	Sqm	1	10.00				0.380	3.80	
370.0	380.0	Sqm	1	10.00				0.380	3.80	
380.0	390.0	Sqm	1	10.00				0.380	3.80	
390.0	400.0	Sqm	1	10.00				0.380	3.80	
400.0	410.0	Sqm	1	10.00				0.380	3.80	
410.0	420.0	Sqm	1	10.00				0.380	3.80	
420.0	430.0	Sqm	1	10.00				0.380	3.80	
430.0	440.0	Sqm	1	10.00				0.380	3.80	
442.0	450.0	Sqm	1	8.00				0.380	3.04	
450.0	460.0	Sqm	1	10.00				0.380	3.80	
460.0	465.0	Sqm	1	5.00				0.380	1.90	
465.0	480.0	Sqm	1	15.00				0.380	5.70	
480.0	485.0	Sqm	1	5.00				0.380	1.90	
485.0	493.0	Sqm	1	8.00				0.380	3.04	
493.0	500.0	Sqm	1	7.00				0.380	2.66	
500.0	510.0	Sqm	1	10.00				0.380	3.80	
510.0	520.0	Sqm	1	10.00				0.380	3.80	
520.0	530.0	Sqm	1	10.00				0.380	3.80	
530.0	540.0	Sqm	1	10.00				0.380	3.80	
540.0	550.0	Sqm	1	10.00				0.380	3.80	
550.0	560.0	Sqm	1	10.00				0.380	3.80	
560.0	572.0	Sqm	1	12.00				0.380	4.56	
572.0	583.0	Sqm	1	11.00				0.380	4.18	
583.0	590.0	Sqm	1	7.00				0.380	2.66	
590.0	600.0	Sqm	1	10.00				0.380	3.80	
600.0	610.0	Sqm	1	10.00				0.380	3.80	
610.0	620.0	Sqm	1	10.00				0.380	3.80	
620.0	630.0	Sqm	1	10.00				0.380	3.80	
630.0	640.0	Sqm	1	10.00				0.380	3.80	
640.0	650.0	Sqm	1	10.00				0.380	3.80	
650.0	660.0	Sqm	1	10.00				0.380	3.80	
660.0	670.0	Sqm	1	10.00				0.380	3.80	
670.0	680.0	Sqm	1	10.00				0.380	3.80	
680.0	685.0	Sqm	1	5.00				0.380	1.90	
685.0	700.0	Sqm	1	15.00				0.380	5.70	
700.0	710.0	Sqm	1	10.00				0.380	3.80	
710.0	720.0	Sqm	1	10.00				0.380	3.80	
720.0	730.0	Sqm	1	10.00				0.380	3.80	
730.0	740.0	Sqm	1	10.00				0.380	3.80	
740.0	750.0	Sqm	1	10.00				0.380	3.80	
750.0	770.0	Sqm	1	20.00				0.380	7.60	
770.0	790.0	Sqm	1	20.00				0.380	7.60	
790.0	810.0	Sqm	1	20.00				0.380	7.60	
810.0	830.0	Sqm	1	20.00				0.380	7.60	
830.0	850.0	Sqm	1	20.00				0.380	7.60	
850.0	870.0	Sqm	1	20.00				0.380	7.60	
870.0	890.0	Sqm	1	20.00				0.380	7.60	
890.0	910.0	Sqm	1	10.00				0.380	3.80	
910.0	920.0	Sqm	1	10.00				0.380	3.80	
920.0	930.0	Sqm	1	20.00				0.380	7.60	
930.0	950.0	Sqm	1	20.00				0.380	7.60	
950.0	970.0	Sqm	1	20.00				0.380	7.60	
970.0	990.0	Sqm	1	20.00				0.380	7.60	
990.0	1010.0	Sqm	1	20.00				0.380	7.60	
1010.0	1030.0	Sqm	1	20.00				0.380	7.60	
1030.0	1050.0	Sqm	1	20.00				0.380	7.60	
1050.0	1070.0	Sqm	1	20.00				0.380	7.60	
1070.0	1090.0	Sqm	1	19.00				0.380	7.22	

C.R.

Kundrap

A.E.E. (Project)



ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

874.35

22

5877.25

BOQ No.	Description Of Item	Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
For Kerb										
Stretch : From DAIRY CIRCLE JUNCTION TO NEWTOWN BUS STOP-RHS										
1100.0	1130.0	Sqm	1	30.00				0.380	11.40	
1130.0	1148.0	Sqm	1	19.50				0.380	7.41	1st B Main Road
1148.0	1158.0							0.380	0.00	
1158.0	1188.0	Sqm	1	31.50				0.380	11.97	
1188.0	1218.0	Sqm	1	30.00				0.380	11.40	
1218.0	1248.0	Sqm	1	30.00				0.380	11.40	
1248.0	1278.0	Sqm	1	30.00				0.380	11.40	
1278.0	1308.0	Sqm	1	30.00				0.380	2.85	4th B Main Road
1308.0	1314.0	Sqm	1	7.50				0.380	0.00	
1314.0	1320.0							0.380	11.97	
1320.0	1350.0	Sqm	1	31.50				0.380	11.40	
1350.0	1380.0	Sqm	1	30.00				0.380	11.40	
1380.0	1410.0	Sqm	1	30.00				0.380	11.40	
1410.0	1440.0	Sqm	1	30.00				0.380	11.40	
1440.0	1470.0	Sqm	1	30.00				0.380	3.61	cross road
1470.0	1478.0	Sqm	1	9.50				0.380	0.00	
1478.0	1488.0							0.380	2.09	cross road
1488.0	1492.0	Sqm	1	5.50				0.380	0.00	
1492.0	1500.0	Sqm						0.380	11.97	
1500.0	1530.0	Sqm	1	31.50				0.380	11.40	
1530.0	1560.0	Sqm	1	30.00				0.380	10.07	cross road
1560.0	1585.0	Sqm	1	26.50				0.380	0.00	
1585.0	1593.0							0.380	3.23	
1593.0	1600.0	Sqm	1	8.50				0.380	11.40	
1600.0	1630.0	Sqm	1	30.00				0.380	11.40	
1630.0	1660.0	Sqm	1	30.00				0.380	11.40	
1660.0	1690.0	Sqm	1	30.00				0.380	11.40	
1690.0	1720.0	Sqm	1	30.00				0.380	6.46	9th b cross road
1720.0	1737.0	Sqm	1	17.00				0.380	0.00	
1737.0	1747.0	Sqm	1					0.380	11.40	
1747.0	1777.0	Sqm	1	30.00				0.380	11.40	
1777.0	1807.0	Sqm	1	30.00				0.380	11.40	
1807.0	1837.0	Sqm	1	30.00				0.380	11.40	
1837.0	1867.0	Sqm	1	30.00				0.380	11.40	
1867.0	1897.0	Sqm	1	30.00				0.380	10.64	
1897.0	1925.0	Sqm	1	28.00				0.380	0.00	Cross road
1925.0	1935.0							0.380	5.70	
1935.0	1950.0	Sqm	1	15.00				0.380	0.00	VIVO Showroom
1950.0	1960.0							0.380	10.26	
1960.0	1987.0	Sqm	1	27.00						
For Kerb										
Stretch : From DAIRY CIRCLE JUNCTION TO NEWTOWN BUS STOP-LHS										
1100.0	1130.0	Sqm	1	30.00				0.380	11.40	
1130.0	1160.0	Sqm	1	30.00				0.380	11.40	
1160.0	1190.0	Sqm	1	30.00				0.380	7.03	
1190.0	1207.0	Sqm	1	18.50				0.380	0.00	2 B sector cross road
1207.0	1211.0	Sqm	1					0.380	0.00	not done
1211.0	1231.0	Sqm	1					0.380	0.00	3A B main road B sector
1231.0	1236.0	Sqm						0.380	7.41	
1236.0	1254.0	Sqm	1	19.50				0.380	0.00	3rd b main ROAD
1254.0	1259.0	Sqm	1					0.380	6.65	
1259.0	1275.0	Sqm	1	17.50				0.380	0.00	3rd b crossd road
1275.0	1283.0	Sqm						0.380	11.97	
1283.0	1313.0	Sqm	1	31.50				0.380	7.03	
1313.0	1330.0	Sqm	1	18.50				0.380	0.00	someswara cross road
1330.0	1339.0	Sqm	1					0.380	8.55	
1339.0	1360.0	Sqm	1	22.50				0.380	11.40	
1360.0	1390.0	Sqm	1	30.00				0.380	11.40	
1390.0	1420.0	Sqm	1	30.00				0.380	11.40	
1420.0	1450.0	Sqm	1	30.00				0.380	5.51	
1450.0	1463.0	Sqm	1	14.50				0.380	0.00	CROSS ROAD NEAR SHOW OFF
1463.0	1470.0	Sqm	1							

1192.18

1314.73



[Signature]
ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

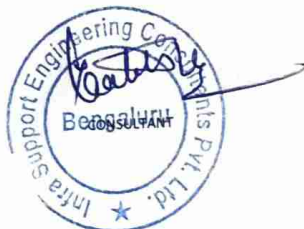
BOQ No.	Description Of Item	Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
1470.0	1492.0	Sqm	1	23.50				0.380	8.93	
1492.0	1500.0	Sqm	1					0.380	0.00	CROSS ROAD
1500.0	1515.0	Sqm	1					0.380	0.00	not done - near bus top entry
1515.0	1545.0	Sqm	1	31.50				0.380	11.97	
1545.0	1575.0	Sqm	1	30.00				0.380	11.40	
1575.0	1590.0	Sqm	1	16.50				0.380	6.27	cross road
1590.0	1600.0	Sqm	1					0.380	0.00	
1600.0	1630.0	Sqm	1	31.50				0.380	11.97	
1630.0	1660.0	Sqm	1	30.00				0.380	11.40	
1660.0	1690.0	Sqm	1	30.00				0.380	11.40	
1690.0	1720.0	Sqm	1	30.00				0.380	11.40	
1720.0	1740.0	Sqm	1	21.50				0.380	8.17	
1740.0	1747.0	Sqm	1					0.380	0.00	
1747.0	1777.0	Sqm	1	31.50				0.380	11.97	
1777.0	1805.0	Sqm	1	28.00				0.380	10.64	not done
1805.0	1815.0	Sqm						0.380	0.00	
1815.0	1830.0	Sqm	1	16.50				0.380	6.27	11th b main road
1830.0	1840.0	Sqm						0.380	0.00	
1840.0	1860.0	Sqm	1	21.50				0.380	8.17	12th b main road
1860.0	1870.0	Sqm						0.380	0.00	
1870.0	1900.0	Sqm	1	31.50				0.380	11.97	
1900.0	1930.0	Sqm	1	30.00				0.380	11.40	
1930.0	1950.0	Sqm	1	20.00				0.380	7.60	
1950.0	1960.0	Sqm						0.380	0.00	near vivo show room
1960.0	1987.0	Sqm	1	28.50				0.380	10.83	
For Kerb Paintng										
Stretch : From Vishnu Park to Sandeep Unnikrishnan Road - RHS										
0.0	5.0	Sqm	1	5.00			0.35		1.75	
5.0	10.0	Sqm	1	5.00			0.35		1.75	
10.0	20.0	Sqm	1	10.00			0.35		3.50	
20.0	30.0	Sqm	1	10.00			0.35		3.50	
30.0	40.0	Sqm	1	10.00			0.35		3.50	DPS - Gate -3
40.0	53.0	Sqm	1	13.00			0.35		2.45	
53.0	60.0	Sqm	1	7.00			0.35		3.50	
60.0	70.0	Sqm	1	10.00			0.35		3.50	
70.0	80.0	Sqm	1	10.00			0.35		1.75	DPS - Gate -2
80.0	85.0	Sqm	1	5.00			0.35		1.75	
85.0	93.0	Sqm	1	8.00			0.35		2.45	
93.0	100.0	Sqm	1	7.00			0.35		3.50	
100.0	110.0	Sqm	1	10.00			0.35		3.50	DPS - Gate -1
110.0	120.0	Sqm	1	10.00			0.35		2.28	
120.0	122.5	Sqm	1	2.50			0.35		0.35	
122.5	129.0	Sqm	1	6.50			0.35		1.75	PS Gate-1
129.0	130.0	Sqm	1	1.00			0.35		2.80	
130.0	135.0	Sqm	1	5.00			0.35		3.85	PS Gate-2
135.0	142.0	Sqm	1	7.00			0.35		1.40	
142.0	150.0	Sqm	1	8.00			0.35		3.50	
150.0	161.0	Sqm	1	11.00			0.35		3.50	
161.0	166.0	Sqm	1	5.00			0.35		3.50	
166.0	170.0	Sqm	1	4.00			0.35		1.40	
170.0	180.0	Sqm	1	10.00			0.35		3.50	
180.0	190.0	Sqm	1	10.00			0.35		3.50	
190.0	200.0	Sqm	1	10.00			0.35		3.50	
200.0	210.0	Sqm	1	10.00			0.35		1.40	Seshadripuram Gate 5
210.0	214.0	Sqm	1	4.00			0.35		3.85	
214.0	219.0	Sqm	1	5.00			0.35		7.00	
219.0	230.0	Sqm	1	11.00			0.35		3.50	
230.0	250.0	Sqm	1	20.00			0.35		3.50	
250.0	260.0	Sqm	1	10.00			0.35		1.05	
260.0	270.0	Sqm	1	10.00			0.35		1.05	Seshadripuram Gate 4
270.0	273.0	Sqm	1	3.00			0.35		1.05	
273.0	279.5	Sqm	1	6.50			0.35		2.17	
Stretch : From Vishnu Park to Sandeep Unnikrishnan Road - LHS										
0.0	6.2	Sqm	1	6.20			0.35		2.17	



ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BOQ No.	Description Of Item	Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
	6.2						0.35		1.33	
	10.0	10.0	Sqm	1	3.80		0.35		3.50	
	20.0	20.0	Sqm	1	10.00		0.35		3.50	
	30.0	30.0	Sqm	1	10.00		0.35		3.50	
	40.0	40.0	Sqm	1	10.00		0.35		3.50	
	50.0	50.0	Sqm	1	10.00		0.35		3.50	
	60.0	60.0	Sqm	1	10.00		0.35		3.50	
	70.0	70.0	Sqm	1	10.00		0.35		3.50	
	80.0	80.0	Sqm	1	10.00		0.35		3.50	
	90.0	90.0	Sqm	1	10.00		0.35		1.40	
	100.0	100.0	Sqm	1	4.00		0.35		1.75	
	104.0	109.0	Sqm	1	5.00		0.35		0.35	
	109.0	110.0	Sqm	1	1.00		0.35		3.50	
	110.0	120.0	Sqm	1	10.00		0.35		1.75	
	120.0	125.0	Sqm	1	5.00		0.35		2.98	
	125.0	131.5	Sqm	1	6.50		0.35		3.15	
	131.5	140.0	Sqm	1	8.50		0.35		1.23	
	140.0	149.0	Sqm	1	9.00		0.35		3.50	
	149.0	156.5	Sqm	1	7.50		0.35		3.50	
	156.5	160.0	Sqm	1	3.50		0.35		3.50	
	160.0	170.0	Sqm	1	10.00		0.35		3.50	
	170.0	180.0	Sqm	1	10.00		0.35		3.50	
	180.0	190.0	Sqm	1	10.00		0.35		3.50	
	190.0	200.0	Sqm	1	10.00		0.35		3.50	
	200.0	210.0	Sqm	1	10.00		0.35		5.25	
	210.0	220.0	Sqm	1	15.00		0.35		5.25	
	220.0	235.0	Sqm	1	15.00		0.35		3.50	
	235.0	250.0	Sqm	1	10.00		0.35		3.50	
	250.0	260.0	Sqm	1	10.00		0.35		3.33	
	260.0	270.0	Sqm	1	9.50		0.35		1567.42	
	270.0	279.5	Sqm	1					8.00	
	TOTAL QUANTITY								1567.42	
	PAID QUANTITY									
	PAYABLE									
50	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRRB 1000, 2300, MOST Specification No.1000 / 2300. 300mm dia.									155.20
	Quantity Vide RA Bill No. 1									8.00
	Quantity Vide RA Bill No. 2									135.00
	Quantity Vide RA Bill No. 3									218.70
	Qty vide Pre MB page No									516.90
	Cum									298.20
	PAID QUANTITY									218.70
	PAYABLE									
52	KSRRB M200-26. Dismantling Kerb stone by manual means and disposal of dismantled materials with all lifts and complete as per specifications. MORTH Specification No. 202									1290.10
	Quantity Vide RA Bill No. 1									679.00
	Quantity Vide RA Bill No. 2									1589.00
	Quantity Vide RA Bill No. 3									486.80
	Qty vide Pre MB page No									4044.90
	Cum									3558.10
	PAID QUANTITY									486.80
	PAYABLE									



Assistant Engineer

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Yelahanka Zone
BBMP, Bangalore - 92

BOQ No.	Description Of Item	UNIT	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
53	KSRRB M200-15.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry. A. Rubble Stone masonry in cement mortar. MORTH Specification No. 202									
	Qty vide Pre MB page No. 48								253.14	
		Cum							253.14	
	PAID QUANTITY								0.00	
	PAYABLE								253.14	
54	KSRRB M200-14.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. Dismantling brick / Tile work B. In cement mortar. MORTH Specification No. 202									
	Quantity Vide RA Bill No. 1								302.75	
	Quantity Vide RA Bill No. 2								106.83	
	Quantity Vide RA Bill No. 3								656.41	
	Qty vide Pre MB page No. 49								120.58	
		Cum							1186.57	
	PAID QUANTITY								500.00	
	PAYABLE								686.57	
57	KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications. MORTH Specification No. 301									
	Qty vide Pre MB page No. 49								6749.88	
		Cum							6749.88	
	PAID QUANTITY								0.00	
	PAYABLE								6749.88	
58	KSRRB M-100-1 Loading and Unloading of Stone Boulder / Stone aggregate / Sand Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100 / Chapter 1									
	Quantity Vide RA Bill No. 1								4926.92	
	Quantity Vide RA Bill No. 2								983.09	
	Quantity Vide RA Bill No. 3								2239.12	
	Quantity Vide Item No-24								4226.49	
	Quantity Vide Item No-52 X 0.14 X 0.4								27.26	
	Quantity Vide Item No-53								253.14	
	Quantity Vide Item No-54								686.57	
	Quantity Vide Item No-57								6749.88	
		Cum							20092.47	
	PAID QUANTITY								8149.03	
	PAYABLE								11943.44	
59	KSRRB M100-4.1. Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-1 : Surface Road									
	Quantity Vide RA Bill No. 1								4926.92	
	Quantity Vide RA Bill No. 2								983.09	
	Quantity Vide RA Bill No. 3								2239.12	
	Quantity Vide Item No-01 X 0.055								30.25	
	Quantity Vide Item No-24								4226.49	
	Quantity Vide Item No-52 X 0.14 X 0.4								27.26	
	Quantity Vide Item No-53								253.14	
	Quantity Vide Item No-54								686.57	
	Quantity Vide Item No-57								6749.88	



[Signature]
ASSISTANT ENGINEER

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27/10/23
ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer
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Yelahanka Zone
BBMP, Bangalore - 92

BOQ No.	Description Of Item	Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
	Quantity Vide RA Bill No. 3								0.00	
	Stretch : From Vishnu Park to Sandeep Unnikrishnan Road -LHS								12.00	
	0'	Each	12							
	280.0								12.00	
	Stretch : From Vishnu Park to Sandeep Unnikrishnan Road -RHS								12.00	
	0'	Each	12							
	280.0								24.00	
	TOTAL QUANTITY								0.00	
	PAID QUANTITY								24.00	
	PAYABLE									
EI-5	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor > 0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED SourceLED Streetlight 120 W									
	Quantity Vide RA Bill No. 1								0.00	
	Quantity Vide RA Bill No. 2								0.00	
	Quantity Vide RA Bill No. 3								0.00	
	Stretch : From Vishnu Park to Sandeep Unnikrishnan Road -LHS								12.00	
	0'	Each	12							
	280.0								12.00	
	Stretch : From Vishnu Park to Sandeep Unnikrishnan Road -RHS								12.00	
	0'	Each	12							
	280.0								24.00	
	TOTAL QUANTITY								0.00	
	PAID QUANTITY								24.00	
	PAYABLE									
EI-6	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts,									
	Quantity Vide RA Bill No. 1								0.00	
	Quantity Vide RA Bill No. 2								0.00	
	Quantity Vide RA Bill No. 3								0.00	
	Qty vide Pre MB page No								9.00	
		Cum							9.00	
	PAID QUANTITY									
	PAYABLE								9.00	
EI-7	Earth work excavation for cable trench of 0.3 to 0.5 Mtr. Width and Depth upto 1 Mtr including trial pits, depositing on bank upto a lead of 50 Mtr, Supplying and Displaying necessary Danger Boards and Lighting, Using sight Rails and Sign									
	Quantity Vide RA Bill No. 1								0.00	
	Quantity Vide RA Bill No. 2								0.00	
	Quantity Vide RA Bill No. 3								0.00	
	Qty vide Pre MB page No								187.20	
		Cum							187.20	
	PAID QUANTITY								0.00	
	PAYABLE								187.20	



Assistant Engineer

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BOQ No.	Description Of Item	Unit	NOS	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
EI-8	Laying of cable in Existing Trench/GI pipe/Stone Ware/RCC Hume pipe using Wooden/Aluminum Rollers as directed by the departmental staff LT Cable 2.5 to 25 Sqmm.									
	Quantity Vide RA Bill No. 1								0.00	
	Quantity Vide RA Bill No. 2								0.00	
	Quantity Vide RA Bill No. 3								0.00	
	Qty vide Pre MB page No 113								0.65	
		Km							0.65	
	PAID QUANTITY								0.00	
	PAYABLE								0.65	
EI-9	Refilling the cable trenches with selected available earth from trench excavation including watering, consolidation in layers of 15 cm. Thickness including depositing of the surplus earth with a lead of 200 Mtr									
	Quantity Vide RA Bill No. 1								0.00	
	Quantity Vide RA Bill No. 2								0.00	
	Quantity Vide RA Bill No. 3								0.00	
	Qty vide Pre MB page No 114								151.20	
		Mtr							151.20	
	PAID QUANTITY								0.00	
	PAYABLE								151.20	
EI-10	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires.									
	Quantity Vide RA Bill No. 1								0.00	
	Quantity Vide RA Bill No. 2								0.00	
	Quantity Vide RA Bill No. 3								0.00	
	Qty vide Pre MB page No 115								48.00	
		Each							48.00	
	PAID QUANTITY								0.00	
	PAYABLE								48.00	
EI-11	Fabricating, Supplying and erection of decorative Zig- Zag bent type Street light pole with hot dip Galvanized with BSEN 10025 grade S 355 JO Steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet for MCBs as per IS Specifications. suitable to with stand the wind speed. The total height of the pole 7 mtrs towards road and 5 Mtrs footpath. between the pole V shaped MS/any decorativ laser cutting jolly work The pole should have 2 nos of pole esthetically bent either side. The dimensions of the pole bottom square pipr of 175x175x4mmx2 Mtrs length and above 2 mtrs a dia of 76.1x3.25mmx5Mtrs and 3 Mtrs, as suitable to the Drawing and picture. The base plate size of 350mm x 350mm x 16 mm the pole shall be galvanized with not less than 65 micron etc and finally finished with PU paint as required with two different colour. (With out foundation). As per the enclosed Drawing ,pictures and IS standards compleet set includes templat 4 nos M20 x750mm anchor bolts.									
	Quantity Vide RA Bill No. 1								0.00	
	Quantity Vide RA Bill No. 2								0.00	
	Quantity Vide RA Bill No. 3								0.00	
	Qty vide Pre MB page No 116								24.00	
		Nos							24.00	
	PAID QUANTITY								0.00	
	PAYABLE								24.00	
EI-12	Supllyng of 1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutrated Inner Seath Armoured LTUG Cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975									
	Quantity Vide RA Bill No. 1								0.00	



[Signature]
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Yelahanka Zone
BBMP, Bangalore - 92

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BOQ No.	Description Of Item	UNIT	NO.	LENGTH	B1	B2	AVG BREADTH	DEPTH	QUANTITY	RATE
	Quantity Vide RA Bill No. 2								0.00	
	Quantity Vide RA Bill No. 3								0.00	
	Qty vide Pre MB page No. 177								0.65	
		KM							0.65	
	PAID QUANTITY								0.00	
	PAYABLE								0.65	

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